



**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

June 17, 1994

Utah Department of Natural Resources  
Division of Oil, Gas, and Mining  
355 N. Temple - 3 Triad Center - Suite 350  
Salt Lake City, Utah 84180

ATTN: Mr. Frank Matthews

RE: **Application to Drill  
Remington 21-1H  
Section 21, T., 31 S., R. 23 E., SLBM  
San Juan County, Utah**

Dear Mr. Matthews:

Enclosed please find Application to Drill (APD), dated June 17, 1994, for the above referenced well. Included with the APD are location maps, survey plats with details of the drill site and a proposed Drilling Program for the well which will be a horizontal well in the Cane Creek Shale.

Union Pacific Resources proposes to commence activities at the drill site as soon as approval is obtained.

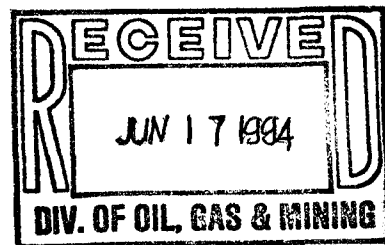
Please contact Ms. Cami Minzenmayer (817) 877-6530 or me (817) 877-7952 if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton  
Senior Regulatory Analyst

enc: (1) - Remington 21-1H Package



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		6. Lease Designation and Serial No. UTU-68659 (Fed.) ML 42279 (State)
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		7. Unit Agreement Name Sixshooter Federal
2. Name of Operator Union Pacific Resources Company		8. Farm or Lease Name Fed./State/Fee
3. Address of Operator PO Box 7 MS 3006 Fort Worth, TX 76101-0007		9. Well No. Remington 21-1H
4. Location of Well (Report location clearly and in accordance with any State requirements) At surface 1068' FSL, 995' FEL, Sec. 21, T31S, R23E <i>SE 1/4 SE 1/4</i> At proposed prod. zone 2310' FNL, 2310' FWL, Sec. 27, T31S, R23E <i>SE 1/4 NW 1/4</i>		10. Field and Pool, or Wildcat Wildcat
14. Distance in miles and direction from nearest town or post office 17.3 N. of Monticello, UT		11. 00, Sec., T., R., M., or Blk. and Survey or Area Sec 21, T31S, R23E
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 995'	16. No. of acres in lease 640	17. No. of acres assigned to this well NA
18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft. NA	19. Proposed depth 11,996' MD	20. Rotary or cable tools Rotary
21. Elevations (Show whether DF, RT, GR, etc.)		22. Approx. date work will start

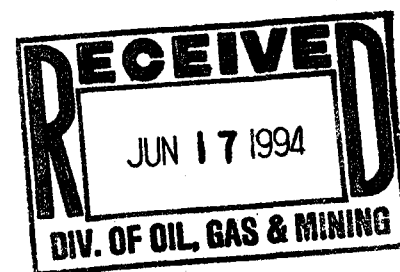
23.

### PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
20"	16"	75	750'	1236 cf
14 3/4"	10 3/4"	45.5	5201'	2226 cf
9 7/8"	7 5/8"	29.7	4700'	
9 7/8"	7 3/4"	46.1	7600'	935 cf

Union Pacific Resources Company proposes to drill and complete a horizontal well in the Cane Creek Shale from a surface location in Sec. 21, T31S, R23E, to a bottom-hole location in Sec 27, T31S, R23E, as indicated in the attached drilling program.

# CONFIDENTIAL



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed: W.F. Brazelton W.F. Brazelton

Title: Sr. Regulatory Analyst

Date: 06-16-94

(This space for Federal or State office use)

API NO. 43-037-31742

Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_

Title \_\_\_\_\_

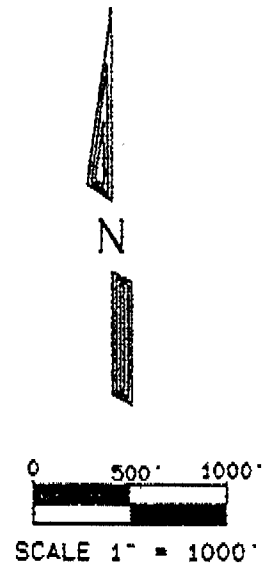
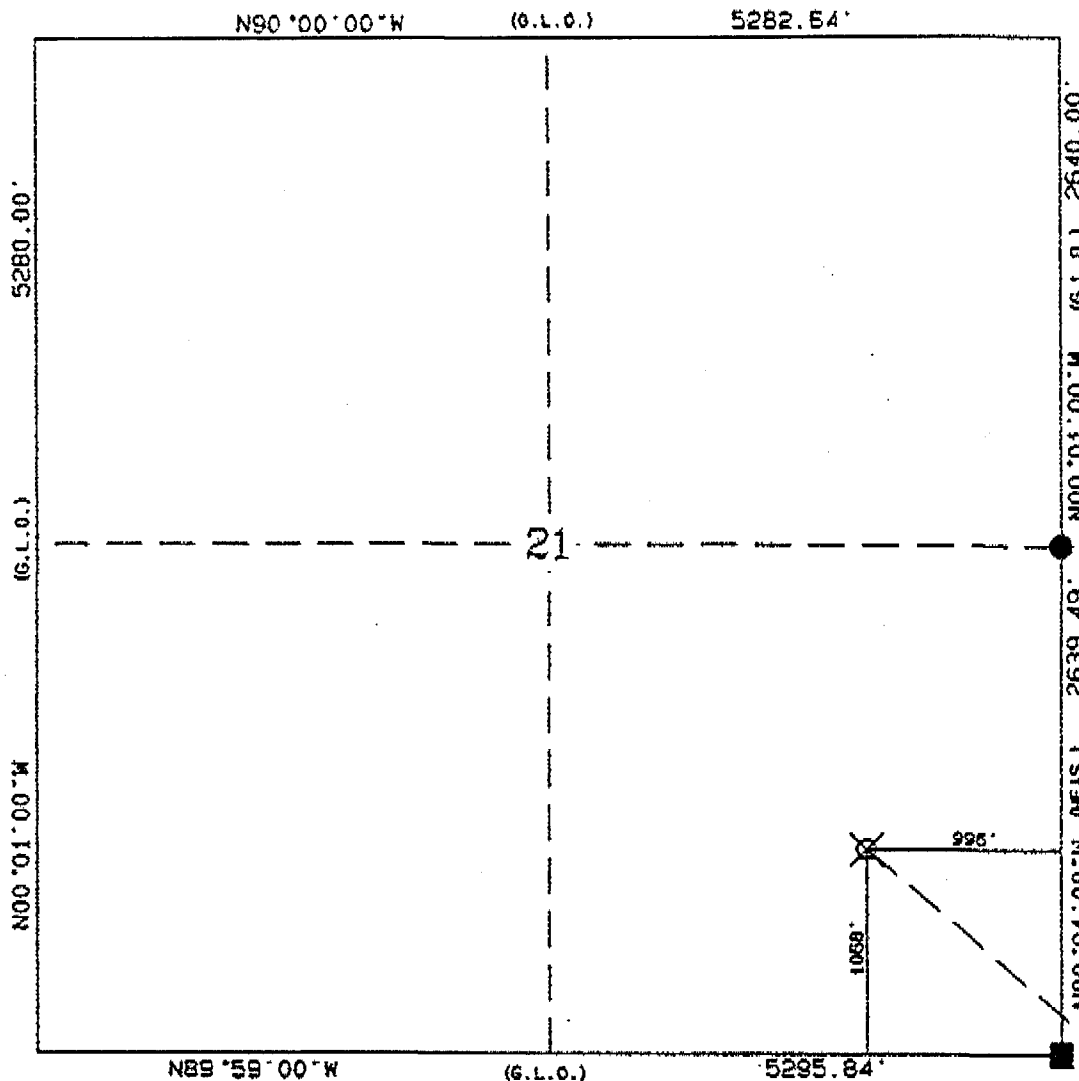
Conditions of approval, if any:

APPROVED BY \_\_\_\_\_  
OF UTAH DIVISION OF  
OIL, GAS & MINING

DATE: 9/28/94

BY: W.F. Brazelton

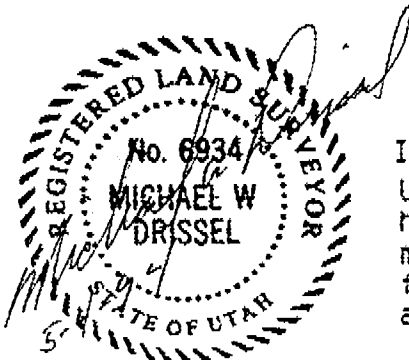
WELL SPACING: R649-2-3



- LEGEND**
- FD. 4X4 WOOD POST
  - FD. MOUND OF STONES
  - ⊗ SET #5 REBAR

**WELL LOCATION**  
 1058 FT. FSL - 996 FT. FEL  
 SECTION 21, T.31S., R.23E., S.L.B.&M.  
 SAN JUAN COUNTY, UTAH

BOTTOM HOLE LOCATION  
 2310' FNL AND 2310' FNL  
 SECTION 27



### SURVEYOR'S STATEMENT

I, MICHAEL W. DRISSEL, a registered Land Surveyor in the State of Utah, do hereby state that the well location shown hereon was staked on the ground based on existing monumentation and/or physical evidence found in the field and is correct to the best of my knowledge, and belief.

OPERATOR : UNION PACIFIC  
 RESOURCES

WELL I.D. : REMINGTON 21-1H  
 LEASE NO. : UTU-68659 (FED.)  
 BLH : ML-42279 (STATE)

**D H SURVEYS INC.**  
 118 OURAY AVE.  
 Grand Junction, CO. 81501-6572



# Union Pacific Resources

A Subsidiary of Union Pacific Corporation

## INTER-OFFICE CORRESPONDENCE

TO: WAMSUTTER DRILLING FOREMEN

OFFICE:

FROM: W. CHARLES

DATE: 05-27-94

SUBJECT: DRILLING PROGRAM: REMINGTON 21-1H

SURFACE LOCATION: <sup>1068'</sup>~~996'~~ FSL & <sup>995'</sup>~~1068'~~ FEL SECTION 21-T31S-R23E  
BOTTOMHOLE LOCATION: 2310' FNL & 2310' FWL SECTION 27-T31S-R23E

COUNTY: SAN JUAN, UTAH

PROPOSED DEPTH: 11996 '

AFE:

GRND ELEVATION: 6375 '

DHC: \$

KB ELEVATION: 6395 '

CHC: \$

API NUMBER:

### ESTIMATED TOPS OF GEOLOGICAL MARKERS:

FORMATION	VERTICAL DEPTH	
	@ SL	@ BHL
Upper Ismay.....(Limestone).....	4780 '	--
Lower Ismay.....(Limestone).....	4901 '	--
Gothic Shale.....(Shale).....	5002 '	--
Desert Creek.....(Shale).....	5052 '	--
*Top of Salt.....	5112 '	--
Chimney Rock.....(Shale).....	5197 '	--
Cane Creek Top.....(Anhydrite/Silt).....	7392 '	--
*Cane Creek Target..(Dolomitic Shale/Silt).....	7422 '	7881 '

(Primary Offset Well: Skelly Oil Church Rock #1 - Section 26)

### CASING PROGRAM:

Hole Size	Setting Depth (Measured Depth)	Size	Weight	Grade	Thread	Condition
---	50'	24"	94#	B	----	Used
20"	0 - 750'	16"	75#	K-55	STC	New
14-3/4"	0 - 5201'	10-3/4"	45.5#	S-80	STC	New
9-7/8"	0 - 4700'	7-5/8"	29.7#	S-95	LTC	New
9-7/8"	4700 - 7600'	7-3/4"	46.1#	S-125	LTC	New
6-1/2"	7500 - 11996'	4-1/2"	11.6#	N-80	LTC	Pre-Perf'd

### DIRECTIONAL PROGRAM:

KICK OFF POINT	-	6975' TVD
BUILD RATE	-	12°/100'
VERTICAL SECTION	-	4727'
TERMINAL HOLE ANGLE	-	84.4°
HOLE DIRECTION	-	135°

### CEMENTING PROGRAM:

Conductor .....5 yds of Redimix to cement conductor to surface

Surface ..... 946 cf 35:65:6 Pozmix w/ 2% CaCl + 0.25 pps celloflake.  
Tail w/ 290 cf Class G w/ 2% CaCl + 0.25 pps celloflake.  
(PROVIDES 750' COVERAGE)

Intermediate ....1936 cf 35:65:6 Pozmix + 0.25 pps celloflake  
Tail w/ 290 cf Class G + 0.25 pps celloflake  
(PROVIDES 2000' COVERAGE)

Production ..... 935 cf Class G + 0.75 GPS Saltbond II + 24% Salt + 0.03  
gps Defoamer  
(PROVIDES 3370' COVERAGE)

### MUD PROGRAM:

Interval (TVD)	Mud Weight	Viscosity	Fluid Loss	Remarks
0' - 750'	8.4-9.2 ppg	27-45 sec	No Control	Fresh water native mud w/ gel & lime addition
-5201'	8.7-9.1 ppg	36-38 sec	10-20 cc	Fresh water native mud w/gel & lime addition
-7436'	10.5-12.0 ppg	36-48 sec	10-15 cc HTHP	85:15 oil mud with 300,000 chlorides
- TD	10.5-15.5 ppg	38-50 sec	10-15 cc HTHP	85:15 oil mud with 300,000 chlorides

### TESTING, LOGGING, CORING PROGRAMS:

Samples: Every 20' from 2000' to Cane Creek; every 10' thereafter.

Cores-DSTs: No core. Possible DST in Ismay.

Mud Logger: 2000' to TD.

Logging: DIL-CNL-FDC-GR ..... 3000' to base of Chimney Rock  
SONIC-GR .....

DUAL LATERLOG-SONIC-GR ... Base of Chimney Rock to Cane Creek

CYBIL-GR ..... Cane Creek

Directional Surveys: Every 180' in vertical portion of hole; every 30' in  
build section; every 60' in horizontal section.

BOP PROGRAM: BOP's To Istalled After Setting Various Casing Strings

<u>Casing String</u>	<u>BOP Size / BOP Pressure Rating</u>	<u>Max Anticipated Surface Pressure</u> Note 1.	<u>Test Pressure</u>
16"	16-3/4"	2433 psi	----
	5000 psi annular	-----	1500 psi
	5000 psi rams	-----	5000 psi
	5000 psi manifold & valves	-----	5000 psi
10-3/4"	13-5/8" or 11"	3009 psi	----
	5000 psi annular	-----	3500 psi
	5000 psi rams	-----	5000 psi
	5000 psi manifold & valves	-----	5000 psi
7-5/8"	13-5/8" or 11"	4985 psi	----
	5000 psi annular	-----	3500 psi
	10000 psi rams	-----	10000 psi
	10000 psi manifold & valves	-----	10000 psi

Note 1. Surface pressure = BHP - (0.15 psi x Depth of Next Casing String)

*Remington*

7. Coring, Logging and Testing Program: (See Attachment Section

Initial opening of drill stem test tools will be restricted to daylight hours.

8. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards - include anticipated bottohole pressures and/or pressure gradient. Also list anticipated lost circulation zones, abnormal temperature zones and possible hydrogen sulfide bearing zones: None anticipated

9. Any Other Aspects of this Proposal that should be Addressed: NA

B. Thirteen Point Surface Use Plan

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

a. Proposed routes to location (See Attachment Section)

b. Location of proposed well in relation to town and other reference point:

The Remington 21-1H well is located 14 miles north of Monticello, Utah, along US Highway 191, then 2.6 miles west along State Highway 211 (access road to Canyon Lands National Park), then approximately 3/4 mile northwest to the location along an maintained dirt lease road. (Also See Attachments Section)

c. Contact the County Road Department for use of county roads. The use of San Juan County Roads will require an encroachment permit from the San Juan County Road Department.

d. Plans for improvement and/or maintenance of existing roads:

US Highway 191 is an existing asphalt-paved highway connecting Monticello, Utah, and La Sal Junction and Moab, Utah, to the north. State Highway 211 is an existing asphalt-paved road which provides access to Canyon Lands National Park. No improvements to these roadways will be necessary.

e. Other: NA

2. Planned Access Roads:

a. Location (centerline): (See Attachments Section)

b. Length of new access to be constructed: approximately 1,000' on BLM surface, approximately 2,000' on State of Utah surface.

- c. Length of existing roads to be upgraded: NA
- d. Maximum total disturbed width: 35'
- e. Maximum travel surface width: 20'
- f. Maximum grades: 10%
- g. Turnouts: None
- h. Surface Materials: In-place native materials
- i. Drainage (crowning, ditching, culverts, etc): Culverts as needed (18" minimum diameter). In the event well is successful, road will be ditched, crowned and surfaced.
- j. Cattleguards: None
- k. Length of new and/or existing roads which lie outside the lease or unit boundary for which a BLM right-of-way is required: None
- l. Other: NA

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by the Area Manager in advance.

If a right-of-way is necessary, no surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to conditions of approval in the Surface Use Program of the approved APD, relevant to any right-of-way facilities.

If a right-of-way is secured, boundary adjustments in the lease or unit shall automatically amend this right-of-way to include that portion of the facility no longer contained within the lease or unit. In the event of an automatic amendment to this right-of-way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate, shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.

If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease of unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligations determined by the authorized officer.



If the well is productive, the access road will be rehabilitated or brought to Resource (Class III) Road Standards within 60 days of dismantling the rig. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells - on a map, show the location of all water, injection, disposal, producing and drilling wells within a one mile radius of the proposed well, and describe the status of each. Two abandoned shallow water wells are located approximately one mile to the southeast near the center of section 27, T. 31 N., R. 23 E., at an abandoned ranching operation. Locations of the wells are shown on the topographic map in the Attachments Section.
4. Location of Production Facilities:
  - a. On-site Facilities: In the event of a successful well completion, a tank battery will be located on well pad.
  - b. Off-site Facilities: NA
  - c. Pipelines: None anticipated at this time

All permanent (inplace for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:  
Juniper Green

All site security guidelines as identified in 43 CFR S. 3162.7-5 and Onshore Oil and Gas Order No. 3 shall be followed.

If a gas meter run is constructed, it will be located on lease within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to the first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR S.3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

If a tank battery is constructed on this lease, it will be surrounded by a berm of sufficient capacity to contain 1 1/2 times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All oil production and measurement shall conform to the provisions of 43 CFR S. 3162.7-3 and Onshore Oil and Gas Order No. 4.

Production facilities on location may include a lined or unlined produced water pit as specified in NTL-2B. If water is produced from the well, an NTL-2B application must be submitted.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from (describe location and/or show on a map): An on-site water well will be attempted at the edge of the drill pad. In the event the water well is unsuccessful, drill water will be hauled from Monticello, Utah.

A temporary water use permit for this operation will be obtained from the Utah State Engineer in Price at (801) 637-1303.

Water obtained on private land, or land administered by another agency, will require approval of the owner or agency for use of the land.

6. Source of Construction Material:

Pad construction material will be obtained from (if the source is Federally owned, show location on a map): None anticipated

The use of materials under BLM jurisdiction will conform to 43 CFR S. 3610.2-3.

7. Methods of Handling Waste Disposal:

Describe the methods and locations proposed for safe containment and disposal of water material, e.g. cuttings, produced water, garbage, sewage, chemicals, etc. Chemical toilets will be provided by the drilling contractor. Garbage containers will be provided for trash and garbage and will be disposed of properly. Produced water and cuttings will be contained in the reserve pit which will be lined with a synthetic liner.

The reserve pit will be situated at the location designated on the plat of the site, and the pit walls will be sloped at no greater than 3 to 1.

The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the reserve pit will be fenced before drilling starts. The forth side will be fenced as soon as drilling is completed, and fencing shall remain until the pit is dry. As soon as the reserve pit has dried, all areas not needed for production will be rehabilitated.

Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than the completion of drilling operations.

8. Ancillary Facilities: None anticipated

9. Well Site Layout - depict the pit, rig, cut and fill, topsoil, etc. on a plat with a scale of at least 1"=50' (See Attachments Section)

All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with CFR 43 S. 3162.6.

Access to the well pad will be from: NA

The blooie line will be located: NA

To minimize the amount of fugitive dust and spray escaping from the blooie pit, the following blooie line deflection method will be employed: NA

10. Plans for Restoration of the Surface:

The top 12 inches of topsoil material will be removed from the location and stockpiled separately on: High side of the location as designated on the plat of the site.

Topsoil along the access road will be reserved in place adjacent to the road.

Immediately upon completion of drilling, all equipment that is not necessary for production shall be removed.

The reserve pit and that portion of the location not needed for production will be reclaimed.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

All road surfacing will be removed prior to the rehabilitation of roads.

Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.

All disturbed areas will be recontoured to replicate the natural slope.

The stockpiled topsoil will be evenly distributed over the disturbed area.

Prior to reseeding, all disturbed areas, including the access roads will be scarified and left with a rough surface.

Seed will be broadcast or drilled between October 1 and February 28, or at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used:

Indian Rice Grass	4 lbs./ac
Crested Wheat	4 lbs./ac
Four-wing Salt Brush	4 lbs./ac
Dry Land Alfalfa	3 lbs./ac
Wild Sunflowers	1 lbs./ac

The abandonment marker will be one of the following, as specified by BLM:

- 1) at least four feet above ground level.
- X 2) at restored ground level, or
- 3) below ground level.

In any case the marker shall be inscribed with the following: operator name, lease number, well name and surveyed description (townsite, range, section and either quarter-quarter or footages).

Additional requirements: None

11. Surface and Mineral Ownership:

The surface and minerals of Section 21, T. 31 N., R. 23 E. are owned by the Federal government (Lease No. UTU-68659).

The surface and minerals of SE/4NW/4, NE/4SW/4, NW/4SE/4, and SW/4NE/4 Section 27, T. 31 N., R. 23 E., are owned by Lex Pro Corp. and F & R Family Partnership, Ltd.

The surface and minerals of N/2N/2, SW/4NW/4, SE/4NE/4, NE/4SE/4, NW/4SW/4, and S/2S/2 are owned by the State of Utah (Lease No. ML-42279).

12. Other Information:

- a. Archeological Concerns: None based on archeological report dated May 20, 1994, by Metcalf Archaeological Consultants, Inc. A copy of the report was provided to BLM personnel.

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operators as to:

- whether the materials appear eligible for the National Register of Historic Places;

- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

- a time frame for the AO to complete an expedited review under 36 CFR S. 800.11 to confirm, through the State Historic Preservation Officer, that the finding of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

- b. Threatened and Endangered Species Concerns: None
- c. Wildlife Seasonal Restrictions (yes/no): No
- d. Off Location Geophysical Testing: None anticipated
- e. Drainage crossings that require additional State or Federal approval: None
- f. Other: NA

13. Lessee's or Operator's Representative and Certification:

Representative: Union Pacific Resources Company

Name: W. F. Brazelton

Title: Senior Regulatory Analyst

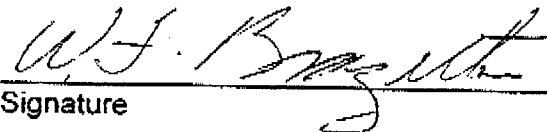
Address: PO Box 7, Fort Worth, TX 76101-0007

Telephone No.: (817) 877-7952

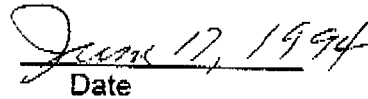
Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this APD are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by \_\_\_\_\_ (Drill Contractor will be

identified prior to commencement of drilling operations) \_\_\_\_\_ and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operation conducted on that portion of the leased lands associated with the application, with bond coverage being provided under BLM bond No.888994. This statement is subject to the provisions of 18 U.S.C. S. 1001 for the filing of a false statement.

  
Signature

Senior Regulatory Analyst  
Title

  
Date

Alternate UPRC notification is to go to Ms. Cami Minzenmayer (817) 877-6530.

c. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Building Location - Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction.

Spud - The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports - Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Report of Operations - In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices - There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR S. 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions - Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events - Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements in NTL-3A.

# UNION PACIFIC RESOURCES COMPANY

Structure : SEC.21-T31S-R23E Well : 21-1H, REMINGTON

Field : SAN JUAN COUNTY

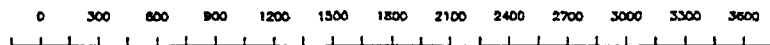
Location : UTAH.

## WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	Deg/100
Tie on	0	0.00	135.62	0	0	0	0.00
End of Hold	6975	0.00	135.62	6975	0	0	0.00
End of Build	7600	75.00	135.62	7436	-253	248	12.00
End of Build	7842	84.45	135.62	7479	-423	414	3.91
End of Hold	11997	84.45	135.62	7881	-3378	3306	0.00

Scale 1 : 150.00

East -->

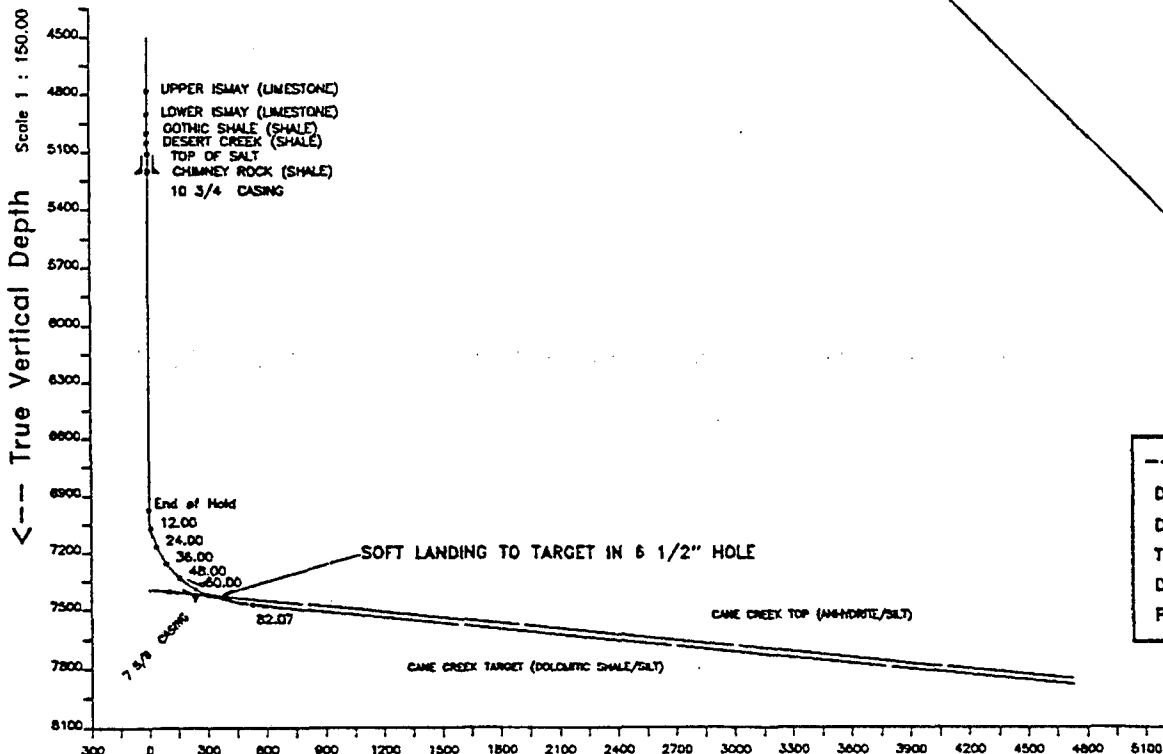
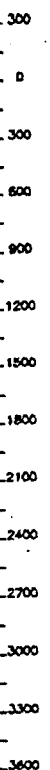


MAGNETIC  
DECLINATION  
12.5 DEG EAST



Scale 1 : 150.00

South -->



Scale 1 : 150.00

Vertical Section on 135.62 azimuth with reference 0.00 N, 0.00 E from REMINGTON

-- Baker Hughes INTEQ --  
DRAWN BY: WALLY HOLBROOK  
DATE: MAY 26, 1994  
TVD REFERENCED WELLHEAD.  
DENVER, COLORADO  
PHONE: (303) 860-0509

UNION PACIFIC RESOURCES COMPANY  
SEC.21-T31S-R23E,21-1N  
SAN JUAN COUNTY,UTAH.

PROPOSAL LISTING Page 1  
Your ref : NEW PLAN 5/31/94  
Last revised : 31-May-94

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	RECTANGULAR COORDINATES			Dogleg Deg/100Ft	Vert Sect
0.00	0.00	135.62	0.00	0.00 N	0.00 E	0.00	0.00	
500.00	0.00	135.62	500.00	0.00 N	0.00 E	0.00	0.00	
1000.00	0.00	135.62	1000.00	0.00 N	0.00 E	0.00	0.00	
1500.00	0.00	135.62	1500.00	0.00 N	0.00 E	0.00	0.00	
2000.00	0.00	135.62	2000.00	0.00 N	0.00 E	0.00	0.00	
2500.00	0.00	135.62	2500.00	0.00 N	0.00 E	0.00	0.00	
3000.00	0.00	135.62	3000.00	0.00 N	0.00 E	0.00	0.00	
3500.00	0.00	135.62	3500.00	0.00 N	0.00 E	0.00	0.00	
4000.00	0.00	135.62	4000.00	0.00 N	0.00 E	0.00	0.00	
4500.00	0.00	135.62	4500.00	0.00 N	0.00 E	0.00	0.00	
4780.00	0.00	135.62	4780.00	0.00 N	0.00 E	0.00	0.00	UPPER ISHAY (LIMESTONE)
4901.00	0.00	135.62	4901.00	0.00 N	0.00 E	0.00	0.00	LOWER ISHAY (LIMESTONE)
5000.00	0.00	135.62	5000.00	0.00 N	0.00 E	0.00	0.00	
5002.00	0.00	135.62	5002.00	0.00 N	0.00 E	0.00	0.00	GOthic SHALE (SHALE)
5052.00	0.00	135.62	5052.00	0.00 N	0.00 E	0.00	0.00	DESERT CREEK (SHALE)
5112.00	0.00	135.62	5112.00	0.00 N	0.00 E	0.00	0.00	TOP OF SALT
5197.00	0.00	135.62	5197.00	0.00 N	0.00 E	0.00	0.00	CHIMNEY ROCK (SHALE)
5500.00	0.00	135.62	5500.00	0.00 N	0.00 E	0.00	0.00	
6000.00	0.00	135.62	6000.00	0.00 N	0.00 E	0.00	0.00	
6500.00	0.00	135.62	6500.00	0.00 N	0.00 E	0.00	0.00	
6975.16	0.00	135.62	6975.16	0.00 N	0.00 E	0.00	0.00	
7075.16	12.00	135.62	7074.43	7.46 S	7.30 E	12.00	10.43	
7175.16	24.00	135.62	7169.37	29.50 S	28.87 E	12.00	41.28	
7275.16	36.00	135.62	7255.81	65.17 S	63.78 E	12.00	91.19	
7375.16	48.00	135.62	7329.99	112.90 S	110.50 E	12.00	157.98	
7475.16	60.00	135.62	7388.66	170.62 S	166.98 E	12.00	238.73	
7481.92	60.81	135.62	7392.00	174.82 S	171.09 E	12.00	244.61	SOFT LANDING TO TARGET IN 6 1/2" HOLE
7553.31	69.38	135.62	7422.03	221.05 S	216.34 E	12.00	309.30	CANE CREEK TOP (ANHYDRITE/SILT)
7575.16	72.00	135.62	7429.26	235.79 S	230.76 E	12.00	329.92	
7600.16	75.00	135.62	7436.36	252.92 S	247.53 E	12.00	353.89	7 5/8" CASING POINT
7681.18	78.17	135.62	7455.16	309.23 S	302.64 E	3.91	432.68	
7781.18	82.07	135.62	7472.31	379.62 S	371.53 E	3.91	531.18	
7842.06	84.45	135.62	7479.45	422.83 S	413.82 E	3.91	591.63	CANE CREEK TARGET (DOLOMITIC SHALE/SILT)
8000.00	84.45	135.62	7494.71	535.18 S	523.77 E	0.00	748.84	
8500.00	84.45	135.62	7543.04	890.85 S	871.86 E	0.00	1246.50	
9000.00	84.45	135.62	7591.36	1246.52 S	1219.95 E	0.00	1744.16	
9500.00	84.45	135.62	7639.68	1602.18 S	1568.04 E	0.00	2241.81	
10000.00	84.45	135.62	7688.01	1957.85 S	1916.12 E	0.00	2739.47	
10500.00	84.45	135.62	7736.33	2313.52 S	2264.21 E	0.00	3237.13	
11000.00	84.45	135.62	7784.65	2669.19 S	2612.30 E	0.00	3734.79	
11500.00	84.45	135.62	7832.98	3024.86 S	2960.39 E	0.00	4232.45	
11996.87	84.45	135.62	7881.00	3378.30 S	3306.30 E	0.00	4727.00	

All data is in feet unless otherwise stated  
Coordinates from REMINGTON and TVD from wellhead.  
Vertical section is from wellhead on azimuth 135.62 degrees.  
Declination is 12.44 degrees, Convergence is 1.35 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes Inteq



UNION PACIFIC RESOURCES COMPANY  
SEC.21-T31S-R23E,21-1N  
SAN JUAN COUNTY,UTAH.

PROPOSAL LISTING Page 2  
Your ref : NEW PLAN 5/31/94  
Last revised : 31-May-94

Comments in wellpath

MD	TVD	Rectangular Coords.		Comment
4780.00	4780.00	0.00 N	0.00 E	UPPER ISMAY (LIMESTONE)
4901.00	4901.00	0.00 N	0.00 E	LOWER ISMAY (LIMESTONE)
5002.00	5002.00	0.00 N	0.00 E	GOTHIC SHALE (SHAPE)
5052.00	5052.00	0.00 N	0.00 E	DESERT CREEK (SHAPE)
5112.00	5112.00	0.00 N	0.00 E	TOP OF SALT
5197.00	5197.00	0.00 N	0.00 E	CHIMNEY ROCK (SHAPE)
7481.92	7392.00	174.82 S	171.09 E	SOFT LANDING TO TARGET IN 6 1/2" HOLE
7553.31	7422.03	221.05 S	216.34 E	CANE CREEK TOP (ANHYDRITE/SILT)
7600.16	7436.36	252.92 S	247.53 E	7 5/8" CASING POINT
7842.06	7479.45	422.83 S	413.82 E	CANE CREEK TARGET (DOLOMITIC SHAPE/SILT)

Casing positions in string 'A'

Top MD	Top TVD	Rectangular Coords.		Bot MD	Bot TVD	Rectangular Coords.		Casing
0.00	0.00	0.00N	0.00E	5207.00	5207.00	0.00N	0.00E	10 3/4" CASING
0.00	0.00	0.00N	0.00E	7503.29	7402.00	188.31S	184.30E	7 5/8" CASING

All data is in feet unless otherwise stated  
Coordinates from REMINGTON and TVD from wellhead.  
Bottom hole distance is 4727.00 on azimuth 135.62 degrees from wellhead.  
Vertical section is from wellhead on azimuth 135.62 degrees.  
Declination is 12.44 degrees, Convergence is 1.35 degrees.  
Calculation uses the minimum curvature method.  
Presented by Baker Hughes Inteq



DRAWING NUMBER 6  
10000 # WORKING PRESSURE

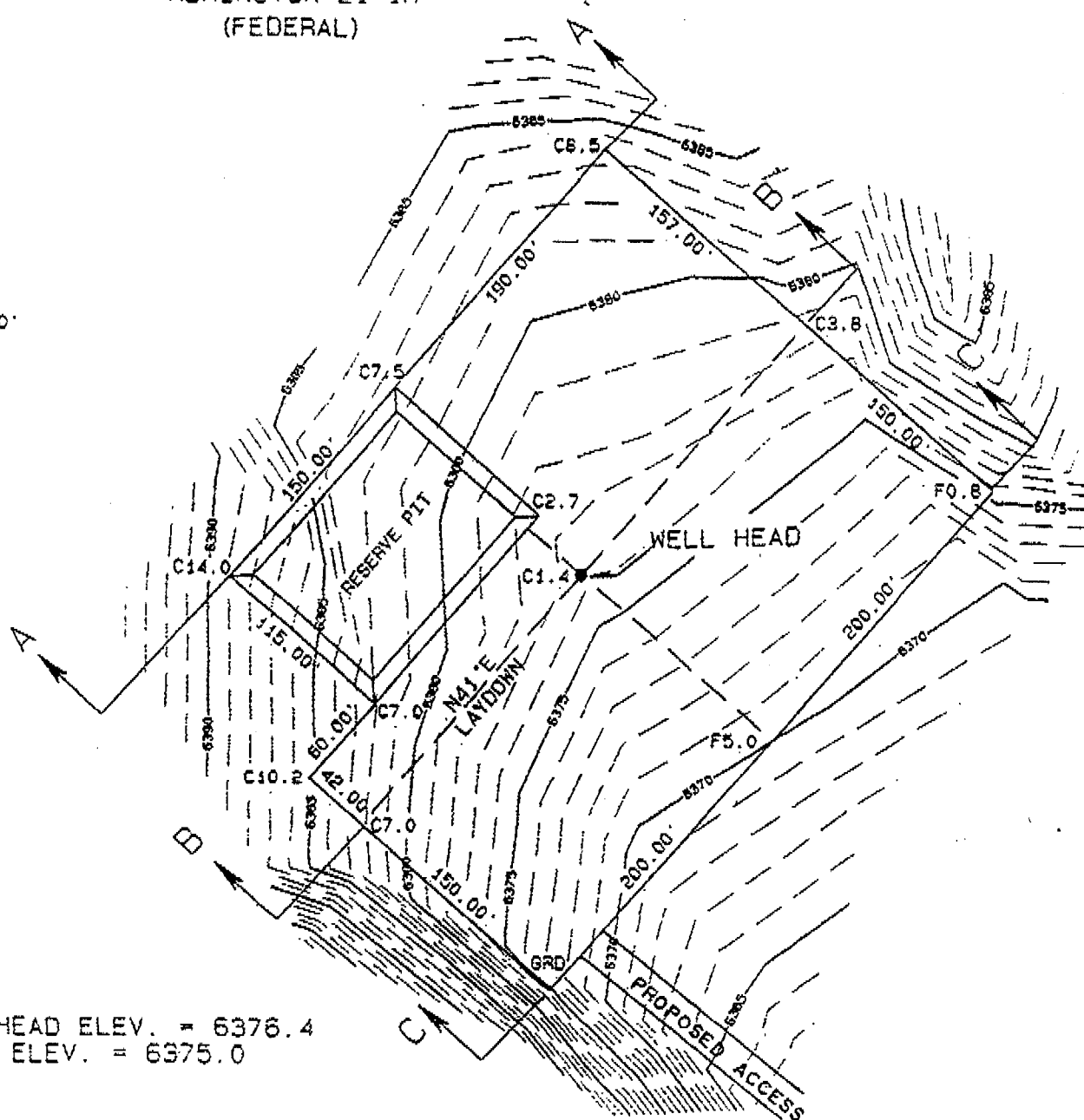
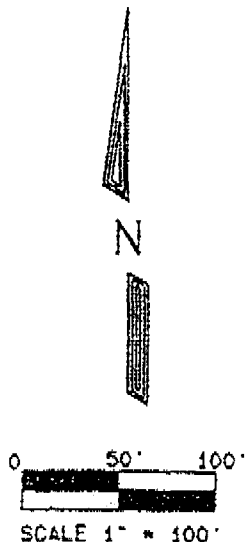




DRAWN BY JOE D. DOUGHARTY 10-10-91 5000DN7E.DWG REVIESED 5-25-93

# PAD LAYOUT

UNION PACIFIC RESOURCES  
REMINGTON 21-1H  
(FEDERAL)



GRD. @ WELL HEAD ELEV. = 6376.4  
PROPOSED PAD ELEV. = 6375.0

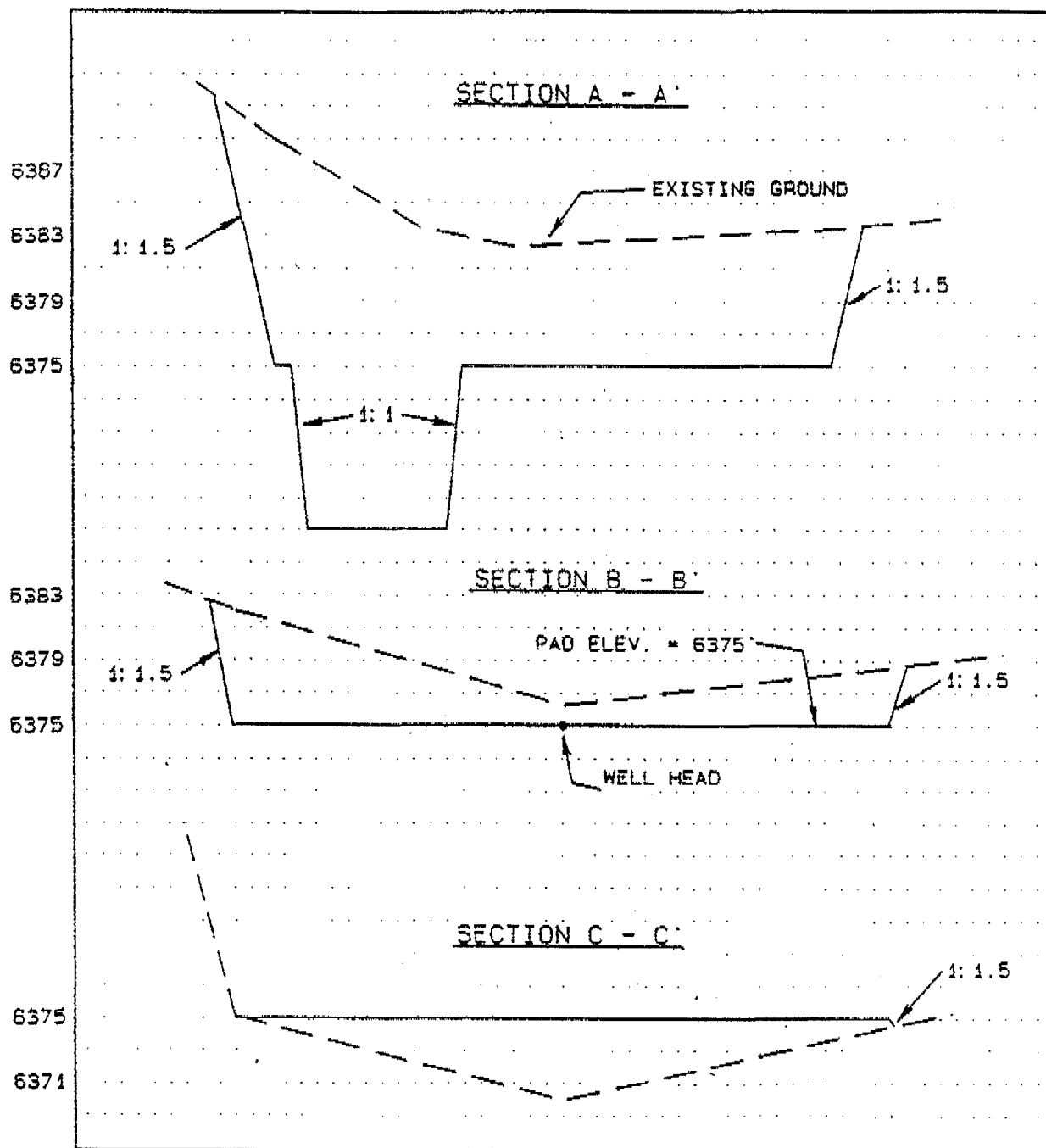
## NOTES

1. ELEVATIONS ARE DETERMINED FROM USGS 7.5 MINUTE QUADRANGLE
2. SET REF. POINTS 300' NORTH & 250' EAST
3. CONTOUR INTERVAL = 1 FOOT
4. TOPSOIL TO BE STOCKPILED ON EXTERIOR OF WELL

FILL = 1,666 cu. yds.  
CUT = 19,597 cu. yds.

# CROSS SECTIONS

UNION PACIFIC RESOURCES  
REMINGTON 21-1H  
(FEDERAL)

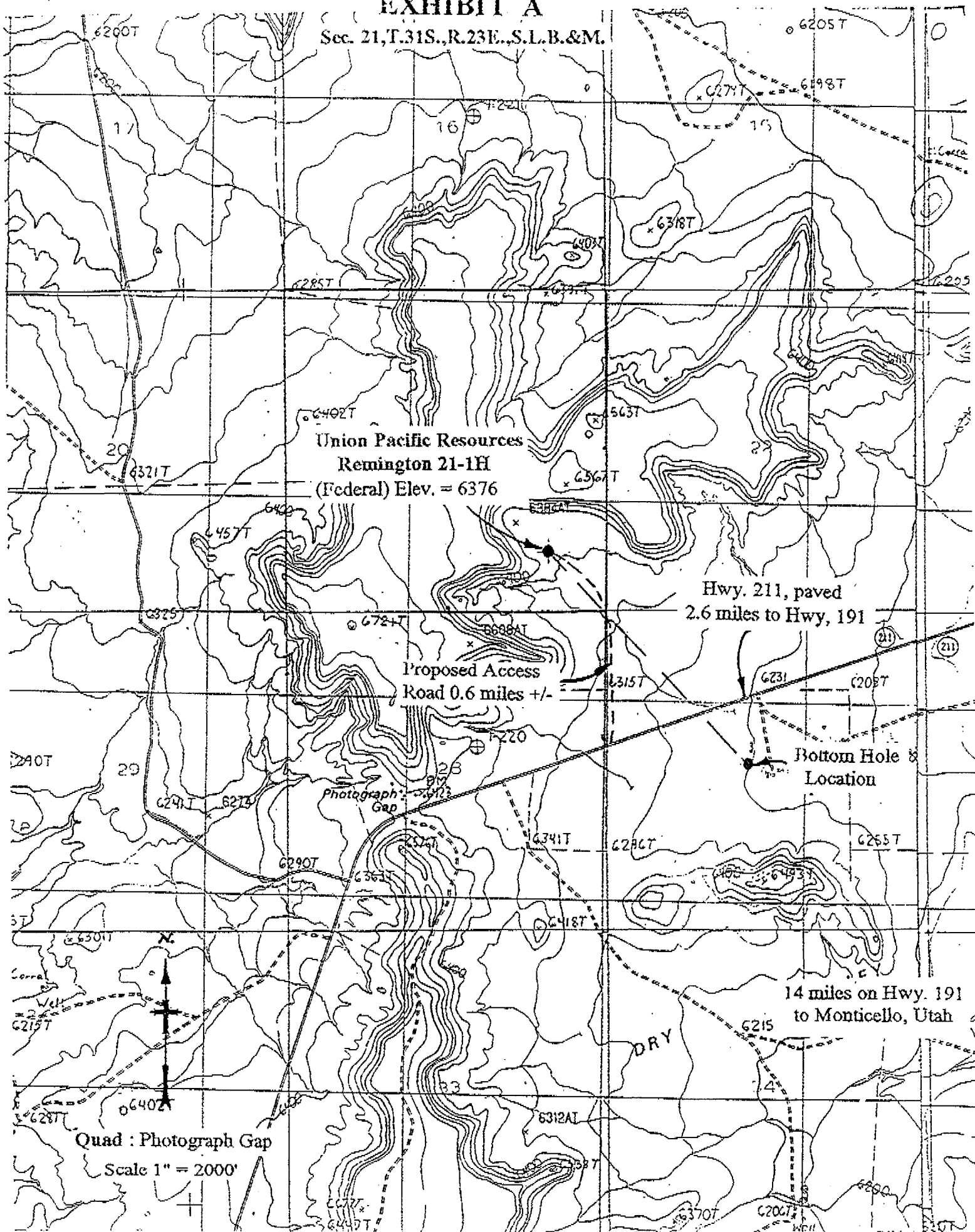


HORIZ. SCALE 1" = 100'

VERT. SCALE 1" = 10'

# EXHIBIT A

Sec. 21, T.31S., R.23E., S.L.B.&M.



## EXHIBIT B

Sec. 21, T.31S., R.23E., S.1.B.&amp;M.

Union Pacific Resources  
Remington 21-111Hwy. 211, paved  
2.6 miles to Hwy. 19114 miles on Hwy. 191  
to Monticello, Utah

Scale 1 : 100 000

Monticello

Substa

## EXHIBIT B

Sec. 21, T.31S., R.23E., S.1.B.&amp;M.

Union Pacific Resources  
Remington 21-1HHwy. 211, paved  
2.6 miles to Hwy. 19114 miles on Hwy. 191  
to Monticello, Utah

Scale 1 : 100 000

Monticello

Substa



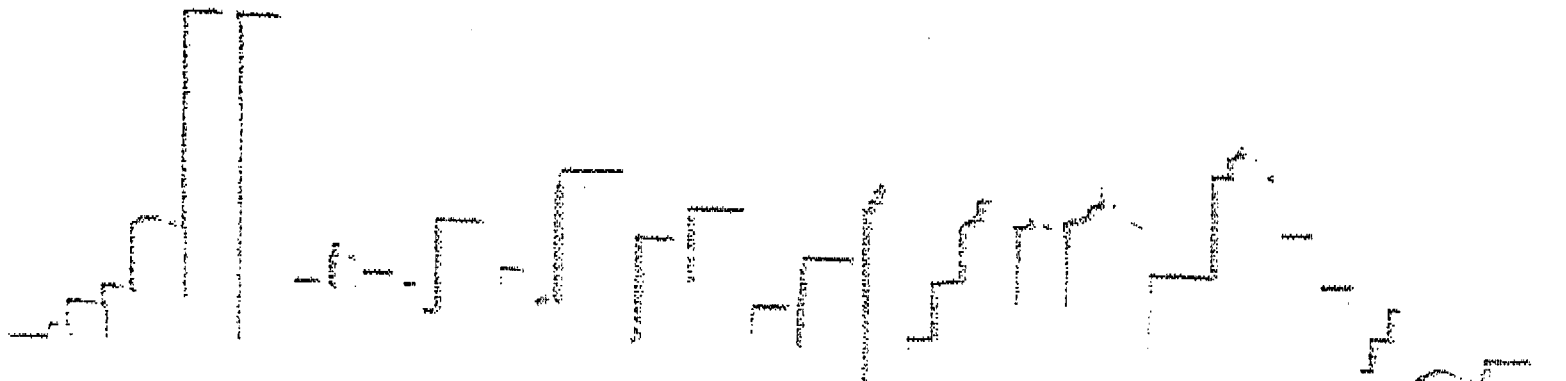


RECEIVED

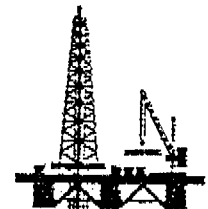
## FACSIMILE TRANSMISSION

Date: 6-20-94  
To: Frank Matthews  
Fax #: 801/359-3940  
Location: Utah Depart. Natural Res.

Time: 9:05 CST  
From: Cami Minzenmayer  
Phone #: 817/877-6530  
Number of Pages 5 + Cover



Any questions, please call Kelliey (817) 877-7931 or fax sender



The information contained in this facsimile is privileged and confidential, and is intended only for the use of the individual named above and others who have been specifically authorized to receive such. If the recipient is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited.

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/17/94

API NO. ASSIGNED: 43-037-31742

WELL NAME: REMINGTON 21-1H  
OPERATOR: UNION PACIFIC RESOURCES (N9465)

PROPOSED LOCATION:

SESE 21 - T31S - R23E  
SURFACE: 1068-FSL-0995-FEL  
BOTTOM: 2310-FNL-2310-FWL  
SAN JUAN COUNTY  
WILDCAT FIELD (001)

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: STA  
LEASE NUMBER: ML-42279

PROPOSED PRODUCING FORMATION: CNCR

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☒ Fee ☒  
(Number 888994)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number APPLICATION FOR WATER)  
RDCC Review (Y/N) WELL IN PROGRESS  
(Date: )

LOCATION AND SITING:

☒ R649-2-3. Unit: Six Shooter UTL 73216 X  
☐ R649-3-2. General.  
☐ R649-3-3. Exception.  
Drilling Unit.  
Board Cause no: CONFIDENTIAL  
Date: PERIOD  
EXPIRED  
5-10-96

COMMENTS:

Surface location - Lease U-68659  
NEM's Acc. 27 - State lease ML 42279  
BTL (SE & NW 1/4) - Fee lease.  
Acc. 27

STIPULATIONS:

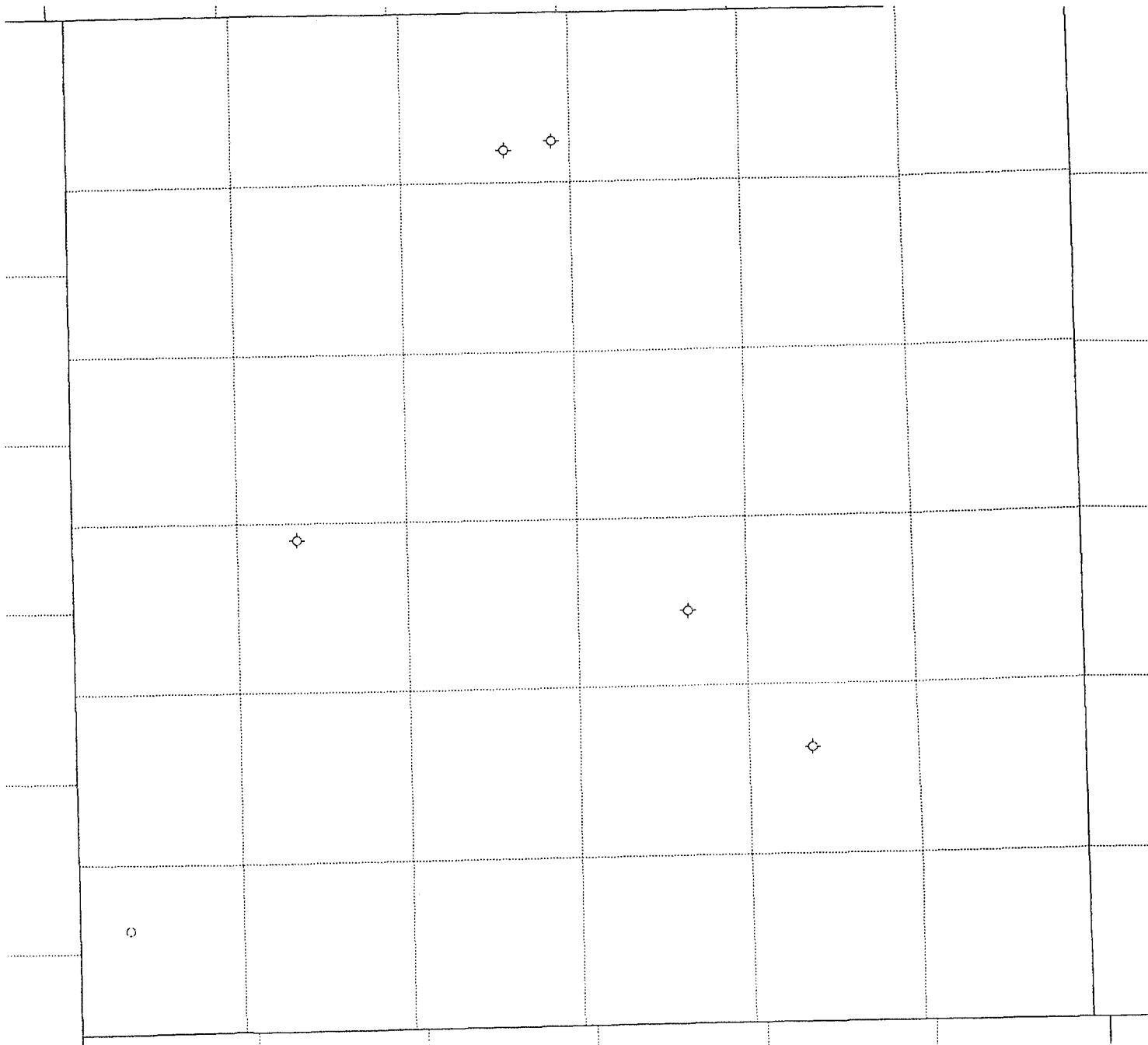
- Compliance with the following concerns and mitigation measures requested by the Utah Division of Wildlife Resources:
  - No construction activity from December 1 to April 15 to protect critical deer winter range.
  - If drilling activity is anticipated from February 15 through July 15, a (over)

Raptor Survey is required.

- c) Construction activities should not destroy any rattlesnake dens near the drill site, nor should rattlesnakes be harmed.
- d) Drilling activities should be restricted from May 5 to July 5 to protect the young pronghorn.



UPRC SAN JUAN COUNTY  
HORIZONTAL DRILLING  
SIXSHOOTER UNIT REMINGTON 21-1H



# STATE OF UTAH

<b>Operator:</b> UNION PACIFIC RESOURCE	<b>Well Name:</b> REMINGTON 21-1H
<b>Project ID:</b> 43-037-31742	<b>Location:</b> SEC. 21 - T31S - R23E

## Design Parameters:

Mud weight (11.00 ppg) : 0.571 psi/ft  
 Shut in surface pressure : 3538 psi  
 Internal gradient (burst) : 0.087 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using buoyed weight  
 Service rating is "Sweet"

## Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Depth (TVD)	Cost	
1	5,000	7.625	29.70	S-95	LT&C	5,000	5,000		
2	2,308	7.750	46.10	LS-125	LT&C	7,308	7,308		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Yield Strgth S.F. (psi)	Tension Load Strgth S.F. (kips) (kips)			
1	2857	6907	2.418	3975	8180	2.06	212.03	668	3.15 J
2	4176	15709	3.762	4176	16400	3.93	88.50	1279	14.45 J

Prepared by : FRM, Salt Lake City, UT

Date : 11-16-1994

Remarks :

### HORIZONTAL

Minimum segment length for the 11,685 foot well is 1,000 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 111°F (Surface 74°F, BHT 147°F & temp. gradient 1.000°/100 ft.)

Minimum drift diameter of this directional well string is 6.500 in. Other parameters include: TD (Meas): 11,685 ft. Departure @ TD: 4,727 ft.

KOP: 6,683 ft. BU  $\alpha$ : 12.000°/100 ft.

@ 1st Slant  $\alpha$ : 88.015° VD: 7,160 ft Departure: 461 ft MD: 7,416 ft

Bending load: 270.10 kips

The mud gradient and bottom hole pressures (for burst) are 0.571 psi/ft and 4,176 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.

Costs for this design are based on a 1987 pricing model. (Version 1.06)

# STATE OF UTAH

<b>Operator:</b> UNION PACIFIC RESOURCE	<b>Well Name:</b> REMINGTON 21-1H
<b>Project ID:</b> 43-037-31742	<b>Location:</b> SEC. 21 - T31S - R23E

## Design Parameters:

Mud weight ( 9.20 ppg) : 0.478 psi/ft  
 Shut in surface pressure : 1447 psi  
 Internal gradient (burst) : 0.035 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

## Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	1,500	10.750	45.50	HCN-80	ST&C	1,500	9.875		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	717	3130	4.367	1500	5210	3.47	68.25	701	10.27 J

Prepared by : FRM, Salt Lake City, UT  
 Date : 11-16-1994  
 Remarks :

### HORIZONTAL WELL

Minimum segment length for the 1,500 foot well is 1,000 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas

temperature of 111°F (Surface 74°F , BHT 89°F & temp. gradient 1.000°/100 ft.)

### Surface/Intermediate string:

Next string will set at 7,308 ft. with 11.00 ppg mud (pore pressure of 4,176

psi.) The frac gradient of 1.000 psi/ft at 1,500 feet results in an injection

pressure of 1,500 psi Effective BHP (for burst) is 1,500 psi.

The minimum specified drift diameter is 9.794 in.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guide-  
 line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with  
 evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body  
 Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and  
 Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.

Costs for this design are based on a 1987 pricing model. (Version 1.06)

STATE OF UTAH

*Horizontal*

Operator: UNION PACIFIC RES. CO.	Well Name: REMINGTON 21-1H
Project ID: 43-037-31742	Location: SEC. 21 - T31S - R23E

Design Parameters:

Mud weight (15.50 ppg) : 0.805 psi/ft  
 Shut in surface pressure : 5152 psi  
 Internal gradient (burst) : 0.127 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using buoyed weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Depth (TVD)	Cost	
1	4,700	7.625	29.70	S-95	LT&C	4,700	4,700		
2	2,900	7.750	46.10	LS-125	LT&C	7,600	7,600		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Yield Strgth (psi)		Tension Load Strgth (kips) (kips)		
1	3784	6863	1.814	5750	8180	1.42	208.51	668	3.20 J
2	6119	15709	2.567	6119	16400	2.68	102.01	1279	12.54 J

Prepared by : FRM, Salt Lake City, UT

Date : 09-28-1994

Remarks :

Minimum segment length for the 11,977 foot well is 4,700 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 112°F (Surface 74°F, BHT 150°F & temp. gradient 1.000°/100 ft.)

Minimum drift diameter of this directional well string is 6.500 in. Other parameters include: TD (Meas): 11,977 ft. Departure @ TD: 4,727 ft.

KOP: 6,975 ft. BU  $\alpha$ : 12.000°/100 ft.

@ 1st Slant  $\alpha$ : 88.015° VD: 7,452 ft Departure: 461 ft MD: 7,708 ft

Bending load: 270.10 kips

The mud gradient and bottom hole pressures (for burst) are 0.805 psi/ft and 6,119 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guide-line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1987 pricing model. (Version 1.06)





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WILDLIFE RESOURCES

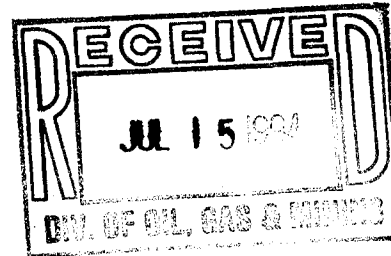
Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Robert G. Valentine  
Division Director

1596 West North Temple  
Salt Lake City, Utah 84116-3195  
801-538-4700  
801-583-4709 (Fax)

July 11, 1994



Mr. Frank Matthews  
State Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

SUBJECT: San Juan County: Union Pacific Resources Company Permit  
Application to drill Remington 21-1H well on State Lease  
ML-42279

Dear Mr. Matthews:

The Utah Division of Wildlife Resources has reviewed this action. We have some concerns with activity in this area and offer some mitigation measures that we request be included in the permit. This well is in critical deer winter range and construction should not be allowed from December 1 to April 15.

The areas are potential nesting habitat for raptors, although we know of no nests within 0.5 miles. If drilling activity will be conducted during the period of February 15 through July 15, a raptor survey should be conducted.

Known rattlesnake dens are near this drill site. Construction activities should not destroy any dens, nor should rattlesnakes be harmed.

This area is pronghorn habitat. Drilling activities should be restricted from May 5 to July 5 to protect young.

If you are in need of further information, you can contact our Southeastern Regional Habitat Manager, Bill Bates, at 637-3310 in Price.

Thank you for the opportunity to comment on this action.

Sincerely,


Robert G. Valentine  
Director

cc: Carolyn Wright (UT940627-080)



STATE ACTIONS

Mail to:  
RDCC Coordinator  
116 State Capitol  
Salt Lake City, Utah 84114

- 
1. ADMINISTERING STATE AGENCY  
OIL, GAS AND MINING  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:  
(assigned by State Clearinghouse)
- 
3. APPROXIMATE DATE PROJECT WILL START:  
Upon approval
- 
4. AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS:  
(to be sent out by agency in block 1)  
Southeastern Utah Association of Governments
- 
5. TYPE OF ACTION: ☐ Lease ☒ Permit ☐ License ☐ Land Acquisition  
☐ Land Sale ☐ Land Exchange ☐ Other \_\_\_\_\_
- 
6. TITLE OF PROPOSED ACTION:  
Application for Permit to Drill
- 
7. DESCRIPTION:  
Union Pacific Resources Company proposes to drill the Remington 21-1H well (wildcat) on state lease ML-42279, San Juan County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.
- 
8. LAND AFFECTED (site location map required) (indicate county)  
SE/4, SE/4, Section 21, Township 31 South, Range 23 East, San Juan County, Utah
- 
9. HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED?
- 
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:  
Degree of impact is based on the discovery of oil or gas in commercial quantities.
- 
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:
- 
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL:  
Frank R. Matthews  
PHONE: 538-5340  
DATE: 6-24-94  
  
Petroleum Engineer
- 

WOI187

# SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

WILLIAM D. HOWELL  
Executive Director

P. O. Drawer 1106 • Price, Utah 84501 • Telephone 637-5444

## AREAWIDE CLEARINGHOUSE A-95 REVIEW

14 01 07

NOI\_\_\_ Preapp\_\_\_ App\_\_\_ State Plan\_\_\_ State Action\_\_\_<sup>X</sup> Subdivision\_\_\_ (ASP # 6-628-6)

Other (indicate) \_\_\_\_\_ SAI Number UT 940627-080

### Applicant (Address, Phone Number):

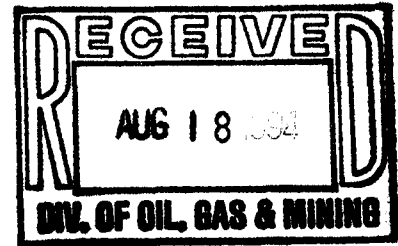
Oil, Gas and Mining  
355 W. N. Temple  
3 Triad Center Ste 350  
Salt Lake City, Utah 84180-1203

### Federal Funds:

Requested: \_\_\_\_\_

### Title:

APPLICATION FOR PERMIT TO DRILL



- ☒ No comment
- ☐ See comments below
- ☐ No action taken because of insufficient information
- ☐ Please send your formal application to us for review. Your attendance is requested ☐

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

### Comments:

*Marilyn Van Duzee*  
\_\_\_\_\_  
Authorizing Official

8-9-94

Date

REGIONAL CLEARINGHOUSE

# SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

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## AREAWIDE CLEARINGHOUSE A-95 REVIEW

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Oil, Gas and Mining  
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3 Triad Center Ste 350  
Salt Lake City, Utah 84180-1203

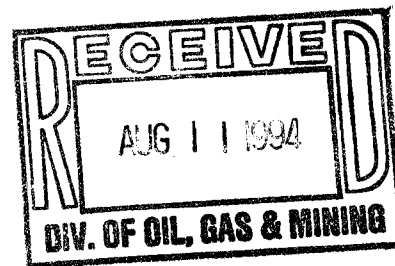
**Federal Funds:**

**Requested:** \_\_\_\_\_

**Title:**

APPLICATION FOR PERMIT TO DRILL

REMININGTON



- ☒ No comment  
☐ See comments below  
☐ No action taken because of insufficient information  
☐ Please send your formal application to us for review. Your attendance is requested ☐

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

**Comments:**

*Marilyn Van Ellegren*  
\_\_\_\_\_  
Authorizing Official

8-9-94

Date

REGIONAL CLEARINGHOUSE



# State of Utah

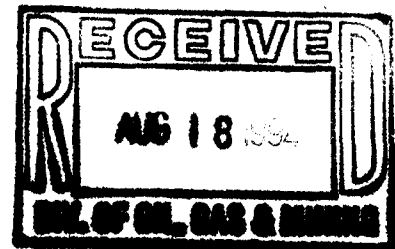
Department of Community & Economic Development  
Division of State History  
Utah State Historical Society



Michael O. Leavitt  
Governor  
Max J. Evans  
Director

300 Rio Grande  
Salt Lake City, Utah 84101-1182  
(801) 533-3500  
FAX: (801) 533-3503

July 20, 1994



Ms. Carolyn Wright  
Resource Development Coordinating Committee  
State Planning Office  
116 State Capitol

## BUILDING MAIL

RE: Application for Permit to Drill, Remington 21-1H Well  
SAI #UT940627-080

In Reply Please Refer to Case No. 94-0953

Dear Ms. Wright:

The Utah State Historic Preservation Office has reviewed our cultural resource files for the above requested project area. No historic properties have been recorded within the project area because no historic properties' surveys have been conducted.

A survey of the area may identify historic properties, some of which may be eligible for the National Register of Historic Places. It is your responsibility to determine further actions, such as field surveys, to identify historic properties.

This information is provided on request to assist the Division of Oil, Gas and Mining in identifying historic properties, as specified in 36CFR800 for Section 106 consultation procedures. If you have questions, please contact me at (801) 533-3555.

Sincerely,

James L. Dykmann  
Compliance Archaeologist

JLD:94-0953 OR



# Union Pacific Resources

A Subsidiary of Union Pacific Corporation

Union Pacific Resources Company  
P.O. Box 7, MS 3006  
Fort Worth, TX 76101-0007  
FAX number (817) 877-7942

## FACSIMILE TRANSMISSION

To: *Mike Schurton*

Date: *9-27-94*

Location: *Utah 0.6  
SLC, Utah*

From: *Bill Brazelton*

Time: *10:00*

Phone #: *(817) 877-7952*

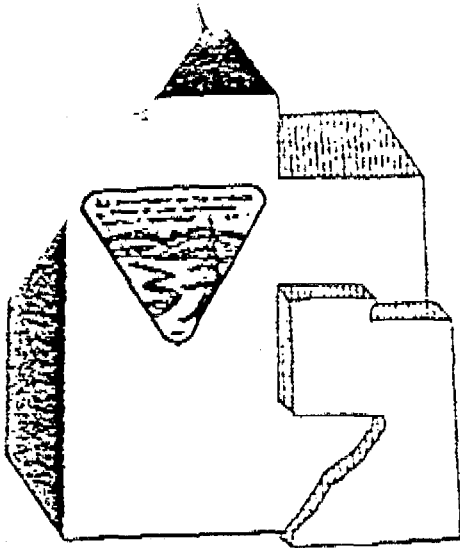
Fax #: *(801) 359-3940*

Number of Pages 2 + Cover

*BLM Approval  
Remington 21-1H  
San Juan Co, Utah*

If you have questions, please call Gaylene Reier (817) 877-7953

The information contained in this facsimile is privileged and confidential, and is intended only for the use of the individual named above and others who have been specifically authorized to receive such. If the recipient is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited.



FAX TRANSMITTAL  
MOAB DISTRICT OFFICE

→ 09-26-94  
CC: W.F. Brazelton

TO: Mr. Bill Brazelton  
or Mr. Wendell Hibbert (UPRC)

FROM: Verlene Butts

SUBJECT: Approved APD cover page  
and 8 pages of CPAS

NUMBER OF PAGES: 10  
(Including Cover Sheet)

DATE: 9/26/94

TIME: 3:30 P.M.

FAX MACHINE NO.: \_\_\_\_\_

COMMENTS:

call Verlene at 801)259-6111  
if there are any questions  
and/or concerns.

UT-060-1542-1  
(October 1991)

Form 3160-3  
(November 1982)  
(Formerly 9-331C)

SUBMIT IN TRIPPLICATE\*  
(Other instructions on  
reverse side)

Form approved  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		2. LEASE DESIGNATION AND SERIAL NO UTU 68659	
3. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
4. NAME OF OPERATOR UNION PACIFIC RESOURCES COMPANY		7. UNIT AGREEMENT NAME Sixshooter Federal	
5. ADDRESS OF OPERATOR PO Box 7 MS 3006 Fort Worth, TX 76101-0007		8. FARM OR LEASE NAME Remington	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At proposed prod. zone SE/SE 1068' FSL & 995' FEL sec. 21-31S-23E NE/NW 2310' FNL & 2310' FWL sec. 27-31S-23E		9. WELL NO. 21-1h	
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 17.3 miles North of Monticello, UT		10. FIELD AND POOL OR WILDCAT Wildcat	
11. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to deepest drip, unit line, if any) 995'		11. SEC. T. R. N., OR BLK. AND SUBST OF AREA see #4	
12. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. NA		12. COUNTY OR PARISH STATE San Juan Utah	
13. ELEVATIONS (Show whether DF, RT, GR, etc.) 6375 GR; 6395 KB		13. NO. OF ACRES ASSIGNED TO THIS WELL 640	
14. PROPOSED DEPTH 11,996' MD		14. ROFARY OR CABLE TOOLS O-TD notary	
15. APPROX. DATE WORK WILL START * upon approval			

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	75	750'	1236 cf.
14 3/4"	10 3/4"	45.5	5201'	2226 cf.
9 7/8"	5/8"	29.7	4700'	
9 7/8"	3/4"	46.1	7600'	
6 1/2"	4 1/2"	11.6	11,996'	935 cf.

UNION PACIFIC RESOURCES COMPANY proposes to drill and complete a horizontal well in the Cane Creek Shale from a surface location in sec. 21-31S-23E to a bottom hole location in sec. 27-31S-23E, as indicated in the attached drilling program.

If you have any questions, please contact the undersigned by calling 817-877-6530.

LEASE EXPIRES JULY 31, 1994!!!

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED C. Minzenmayer Cami Minzenmayer TITLE Regulatory Analyst

DATE 6-28-94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Associate District Manager

APPROVED BY William H.

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:  
FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
Dated 1/1/80

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side





**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 28, 1994

Union Pacific Resources Company  
P.O. Box 7 MS/3006  
Fort Worth, Texas 76101-0007

Re: Remington 21-1H Well, Surface Location 1068' FSL, 995' FEL, SE SE, Sec. 21,  
T. 31 S., R. 23 E., Bottom Hole Location 2310' FNL, 2310' FWL, SE NW, Sec. 27,  
T. 31 S., R. 23 E., San Juan County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the following concerns and mitigation measures requested by the Utah Division of Wildlife Resources:
  - a) No construction activity from December 1 to April 15 to protect critical deer winter range.
  - b) If drilling activity is anticipated from February 15 through July 15, a raptor survey is required.
  - c) Construction activities should not destroy any rattlesnake dens near the drill site, nor should rattlesnakes be harmed.
  - d) Drilling activities should be restricted from May 5 to July 5 to protect the young pronghorn.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.



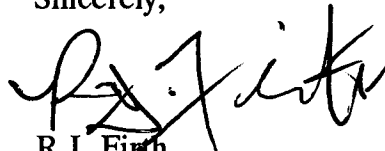
Page 2

Union Pacific Resources Company  
Remington 21-1H Well  
September 28, 1994

3. Notification to the Division within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.
6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.
7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-31742.

Sincerely,



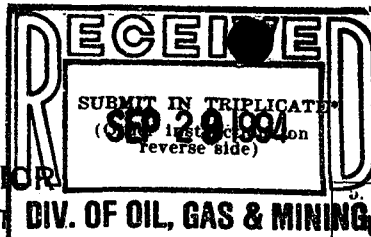
R.J. Firth

Associate Director

ldc

Enclosures

cc: San Juan County Assessor  
Bureau of Land Management, Moab District Office  
WOI1



Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DIV. OF OIL, GAS & MINING

LEASE DESIGNATION AND SERIAL NO.  
UTU 68659

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF OPERATION: ☒ DRILL ☐ DEEPEN ☐ PLUG BACK

b. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR: UNION PACIFIC RESOURCES COMPANY

3. ADDRESS OF OPERATOR: PO Box 7 MS 3006 Fort Worth, TX 76101-0007

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.):  
At surface: SE/SE 1068' FSL & 995' FEL sec.21-31S-23E  
At proposed prod. zone: NE/NW 2310' FNL & 2310' FWL sec.27-31S-23E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 17.3 miles North of Monticello, UT

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 995'

16. NO. OF ACRES IN LEASE: 640

17. NO. OF ACRES ASSIGNED TO THIS WELL: 640

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: NA

19. PROPOSED DEPTH: 11,996' MD

20. ROTARY OR CABLE TOOLS: 0-TD Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6375 GR; 6395 KB

22. APPROX. DATE WORK WILL START: \* upon approval

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	75	750'	1236 cf.
14 3/4"	10 3/4"	45.5	5201'	2226 cf.
9 7/8"	7 5/8"	29.7	4700'	
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UNION PACIFIC RESOURCES COMPANY proposes to drill and complete a horizontal well in the Cane Creek Shale from a surface location in sec. 21-31S-23E to a bottom hole location in sec. 27-31S-23E, as indicated in the attached drilling program.

If you have any questions, please contact the undersigned by calling 817-877-6530.

~~\*\*LEASE EXPIRES JULY 31, 1994!!!\*\*~~

CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: C. Minzenmayer Cami Minzenmayer TITLE: Regulatory Analyst DATE: 6-28-94  
(This space for Federal or State office use)

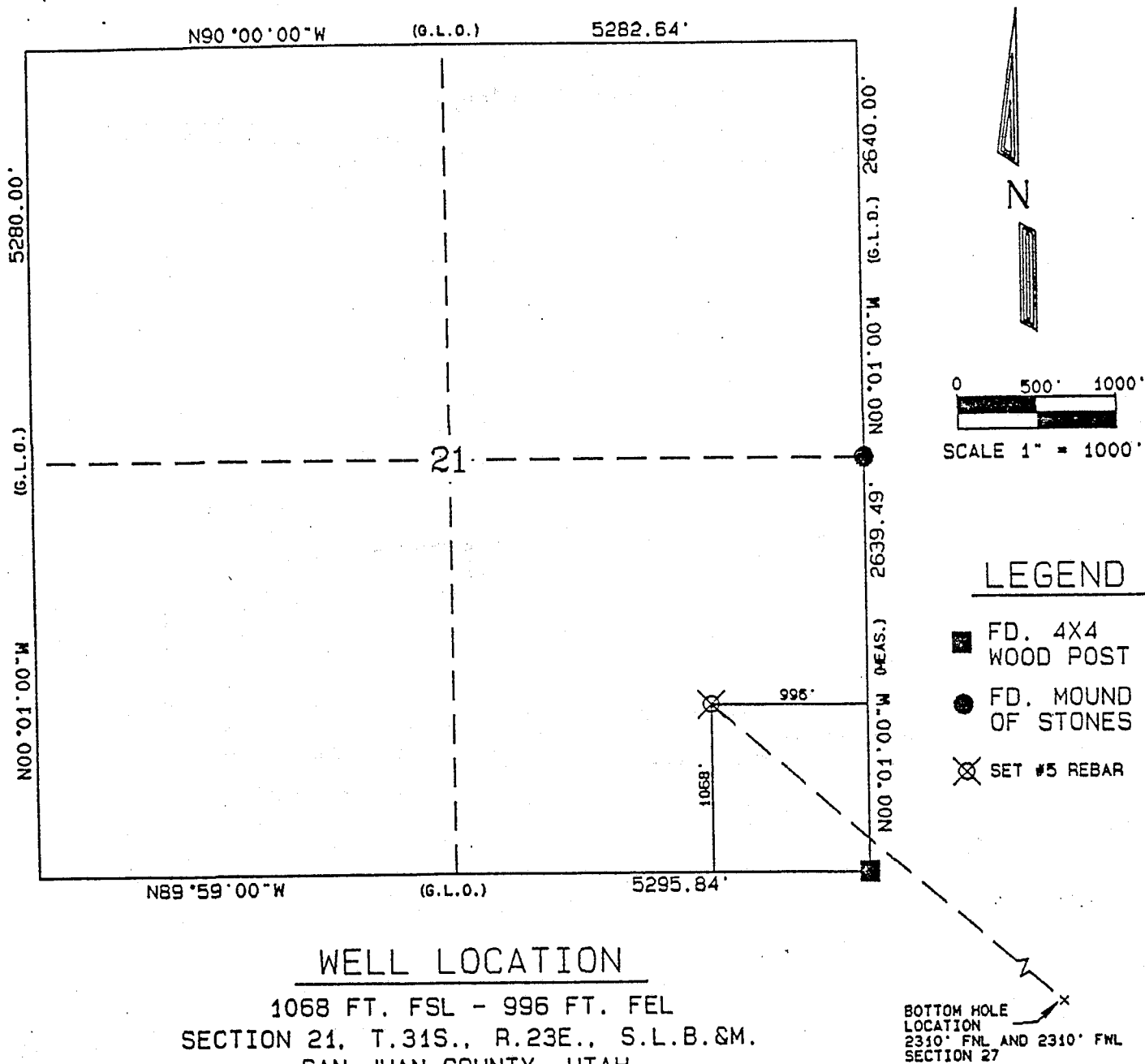
PERMIT NO. \_\_\_\_\_ APPROVAL DATE: \_\_\_\_\_  
APPROVED BY: /S/ WILLIAM C. STRINGER TITLE: Associate District Manager DATE: SEP 26 1994

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
Dated 1/1/80

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

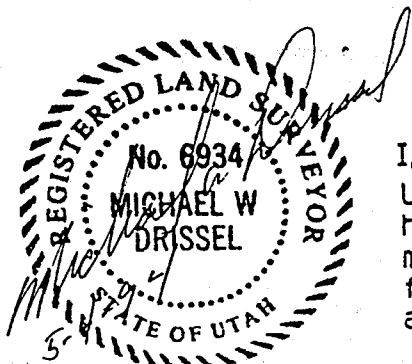


### WELL LOCATION

1068 FT. FSL - 996 FT. FEL  
SECTION 21, T.31S., R.23E., S.L.B.&M.  
SAN JUAN COUNTY, UTAH

### SURVEYOR'S STATEMENT

I, MICHAEL W. DRISSEL, a registered Land Surveyor in the State of Utah, do hereby state that the well location shown hereon was staked on the ground based on existing monumentation and/or physical evidence found in the field and is correct to the best of my knowledge, and belief.



OPERATOR : UNION PACIFIC  
RESOURCES

WELL I.D. : REMINGTON 21-1H  
LEASE NO. : UTU-68659 (FED.)  
BLH : ML-42279 (STATE)

D H SURVEYS INC.  
118 OURAY AVE.  
Grand Junction, CO. 81501-6572  
(303) 245-8749

Union Pacific Resources Company

Well No. Remington 21-1H

SESE Sec. 21, T.31S., R.23E.

Location:

Surface 1068 FSL & 995 FEL Section 21, T31S, R23E

Bottom Hole 2310 FNL & 2310 FWL Section 27, T31S, R23E

San Juan County, Utah

Lease U-68659

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Union Pacific Resources Company is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by WY 1280 (Principal - Union Pacific Resources Company) via surety consent as provided for in 43 CFR § 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR § 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval, provided the lease is still in effect. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. The 5000 psi and 10,000 psi BOP systems will be installed, operated and tested in accordance with API RP 53 and Onshore Oil and Gas Order No. 2.
2. Since this well is proposed as a horizontal completion, Union Pacific Resources Company must ensure that spacing conforms with all requirements of the State of Utah, Division of Oil, Gas and Mining (DOGM).
3. The surface casing must be set at least 50 feet into the Chinle Formation regardless of the depth at which it is encountered.
4. The proposed directional survey shall be submitted to the BLM with the completion report.
5. The initial opening of the drill stem test must be made during daylight hours.
6. The location can be built prior to receiving unit approval. However, the well cannot be spud until the unit is approved. If the well is not drilled, then reclamation must begin this year and must be consistent with "Plans for Restoration of the Surface", Step 10 of the Thirteen Point Surface Use Plan (page 7).

B. SURFACE STIPULATIONS

1. Prior to the beginning of any activities, a representative of the development company and the drilling crew shall meet with BLM law enforcement personnel for a discussion of the laws that protect cultural resources.
2. After drilling has been completed, and if the well is not a producer, the access road will be permanently closed.
3. The synthetic pit liner will be a minimum of 18 mil. and in the event blasting of rock is required a soil bed will be provided below the liner.
4. After liquids are removed from the pit the remaining reserve pit solids will be tested. At least three samples will be taken from different parts of the pit as directed by the authorized officer. These samples will be analyzed by an independent laboratory for salt properties (electrical conductivity, sodium adsorption ratio, exchangeable sodium percentage, and cation exchange capacity), heavy metal content and oil and grease content. The results of these tests will be provided to the Moab District within 30 days of analysis.
5. The reserve pit properties shall be solidified by using fly ash/kiln dust until the physical properties of the stabilized pit content are similar the physical properties of the native native subsoils, i.e. compaction and compression strength.
6. After solidification of the reserve pit contents will again be sampled and tested for leachability of salts and heavy metals. There will be a minimum of 5 samples taken from the solidified remains from top to bottom. The 5 samples will come from each corner section of the pit and from the middle. These samples will also be analyzed by an independent laboratory. The results of this testing will also be provided to the Moab District within 30 days of analysis.
7. Fold the liner edges into the pit before covering the pit with one foot of native subsoil. The bentonite cap shall be of commercial grade and the cap shall be crowned in the middle to a thickness of one foot and graded to the edges to a minimum thickness of six inches. The cap shall extend at least ten feet beyond the original pit limits. The bentonite cap shall be covered with a minimum of 2 feet of native topsoil.

8. The San Juan Resource Area Office will be kept appraised prior to beginning each operation to allow witnessing of the actions. To be consistent with the BLM manual requirements concerning plant species, after rehabilitation and reclamation the area will be seeded with the following seed mixture:

4 lbs./acre	fourwing saltbrush
4 lbs./acre	Indian rice grass
4 lbs./acre	galleta grass
2 lbs./acre	Mormon tea



### C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the Resource Area, Natural Resource Protection Specialist at least 48 hours prior to commencing construction of location.

Spud- The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Office. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR § 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the District Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First Production- Should the well be successfully completed for production, the District Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be

coordinated through the Resource Area Office. The Resource Area Office shall be notified prior to the first sale.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR § 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the District Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 Mmcft, whichever first occurs, without the prior, written approval of the District Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with a water analysis, if required, will be submitted to the District Office for approval pursuant to Onshore Oil and Gas Order No. 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the District Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the District Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Assistant District Manager, Minerals Division within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

# TABLE 1 NOTIFICATIONS

Notify Jeff Brown, Gary Torres, or Robert Larsen of the San Juan Resource Area in Monticello, Utah at (801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spudding;

50 feet prior to reaching surface casing depth;

3 hours prior to testing BOPE;

Upon reaching the kick-off point;

Upon converting to invert mud system.

If the above cannot be reached, notify the Moab District Office at (801) 259-6111. If unsuccessful, notify the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Gary Torres, Petroleum Engineer	Office:	(801)-259-6111
	Home:	(801) 587-2705
Eric Jones, Petroleum Engineer	Office:	(801) 259-6111
	Home:	(801) 259-2214

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

UNION PACIFIC RESOURCES COMPANY

3. Address and Telephone No.

PO BOX 7 MS 3006 FORT WORTH, TX 76101-0007 (817) 877-6000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL SEC. 21, T. 31 S., RL23 E., SLBM

SE4/SE4 SEC 21, T. 31 S., R. 23 E., SLBM

5. Lease Designation and Serial No.

UTU 68659

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SIXSHOOTER FEDERAL

8. Well Name and No.

REMINGTON 21-1H

9. API Well No.

43-037-31742

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SAN JUAN COUNTY, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☒ Altering Casing  
☐ Other

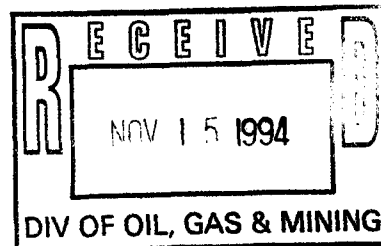
- ☒ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Union Pacific Resources Company requests permission to alter the drilling mud, casing, cementing, logging and BOP programs presented in the APD, as approved, according to the respective programs presented in the attached summary. The formation pore pressures anticipated when the proposed programs were designed were not encountered in the recently cased Winchester 21-1H well in section 21, T. 31 S., R. 24 E., six miles to the east.

It is presently anticipated that the Remington 21-1H well will spud November 17, 1994.



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL "COMPANY CONFIDENTIAL"

IF ADDITIONAL INFORMATION IS REQUIRED, PLEASE CONTACT THE UNDERSIGNED AT (817) 877-7952

14. I hereby certify that the foregoing is true and correct

Signed W. F. BRAZELTON

Title

SR. REGULATORY ANALYST

Date

11-14-94

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

Accepted by the  
Utah Division of  
Oil, Gas and Mining

FOR RECORD ONLY

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



# Union Pacific Resources

A Subsidiary of Union Pacific Corporation

## INTER-OFFICE CORRESPONDENCE

TO: WAMSUTTER DRILLING FOREMEN

OFFICE:

FROM: W. CHARLES,

DATE: 11-14-94

SUBJECT: DRILLING PROGRAM: REMINGTON 21-1H

SURFACE LOCATION: 996' FSL & 1068' FEL SECTION 21-T31S-R23E

BOTTOMHOLE LOCATION: 2310' FNL & 2310' FWL SECTION 27-T31S-R23E

COUNTY: SAN JUAN, UTAH

PROPOSED DEPTH: 11705 '

AFE: 17553

GRND ELEVATION: 6375 '

DHC: \$ 1500 M

KB ELEVATION: 6395 '

CHC: \$ 1747 M

API NUMBER: 43-037-31742

### ESTIMATED TOPS OF GEOLOGICAL MARKERS:

FORMATION	VERTICAL DEPTH	
	@ SL	@ BHL
Upper Ismay.....(Limestone).....	4870 '	--
Lower Ismay.....(Limestone).....	4991 '	--
Gothic Shale.....(Shale).....	5092 '	--
Desert Creek.....(Shale).....	5143 '	--
Top of Salt.....	5198 '	--
Chimney Rock.....(Shale).....	5263 '	--
Salt 18.....(Salt Marker).....	6598 '	--
Cane Creek Top.....(Anhydrite/Silt).....	7100 '	--
*Cane Creek Target..(Dolomitic Shale/Silt).....	7128 '	7589 '

(Primary Offset Well: Skelly Oil Church Rock #1 - Section 26)

### CASING PROGRAM:

Hole Size	Setting Depth (Measured Depth)	Size	Weight	Grade	Thread	Condition
---	50'	24"	94#	B	----	Used
14-3/4"	0 - 1500'	10-3/4"	45.5#	S-80	STC	New
9-7/8"	0 - 5000'	7-5/8"	29.7#	S-95	LTC	New
9-7/8"	5000 - 7308'	7-3/4"	46.1#	S-125	LTC	New
6-1/2"	7308 - 11705'	4-1/2"	11.6#	N-80	LTC	Pre-Perf'd

### DIRECTIONAL PROGRAM:

KICK OFF POINT	-	6683' TVD
BUILD RATE	-	12 °/100'
VERTICAL SECTION	-	4727'
TERMINAL HOLE ANGLE	-	84.4°
HOLE DIRECTION	-	135.6°

# CEMENTING PROGRAM:

Conductor .....5 yds of Redimix to cement conductor to surface

Surface .....1850 cf 35:65:6 Pozmix w/ 2% CaCl + 0.25 pps celloflake.  
Tail w/ 290 cf Class G w/ 2% CaCl + 0.25 pps celloflake.  
(PROVIDES 1500' COVERAGE)

Production ..... 1900 cf 35:65:6 Pozmix + 0.25 pps celloflake Lead  
935 cf Class G + 0.75 GPS Saltbond II + 24% Salt + 0.03  
gps Defoamer Tail  
(PROVIDES 5370' COVERAGE)

# MUD PROGRAM:

Interval (TVD)	Mud Weight	Viscosity	Fluid Loss	Remarks
0'-1500'	8.4-9.2 ppg	27-45 sec	No Control	Fresh water native mud w/ gel & lime addition
1500'-7308'	10.5-11.0 ppg	36-48 sec	10-15 cc HTHP	85:15 oil mud with 300,000 chlorides
7308'- TD	10.5-11.0 ppg	38-50 sec	10-15 cc HTHP	85:15 oil mud with 300,000 chlorides

# TESTING, LOGGING, CORING PROGRAMS:

Samples: Every 20' from 2000' to Cane Creek; every 10' thereafter.

Cores-DSTs: No core. Possible DST in ISMAY, DESERT CREEK, CHIMNEY ROCK

Mud Logger: 2000' to TD.

Logging: DUAL LATERLOG-SONIC-GR ... 1500' to Cane Creek

CYBIL-GR ..... Cane Creek

Directional Surveys: Every 180' in vertical portion of hole; every 30' in  
build section; every 60' in horizontal section.

BOP PROGRAM: BOP's To Istalled After Setting Various Casing Strings

<u>Casing String</u>	<u>BOP Size / BOP Pressure Rating</u>	<u>Max Anticipated Surface Pressure</u> Note 1.	<u>Test Pressure</u>
10-3/4"	13-5/8" or 11"	2686 psi	----
	5000 psi annular	-----	3500 psi
	5000 psi rams	-----	5000 psi
	5000 psi manifold & valves	-----	5000 psi
7-5/8"	13-5/8" or 11"	2686 psi	----
	5000 psi annular	-----	3500 psi
	10000 psi rams	-----	10000 psi
	10000 psi manifold & valves	-----	10000 psi

Note 1. Surface pressure = BHP - (0.15 psi x Depth of Next Casing String)

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: UPRC

WELL NAME: UPRC REMINGTON 21-1H

API NO. 43-037-31742

Section 21 Township 31S Range 24<sup>3</sup>E County SAN JUAN

Drilling Contractor FORE WEST

Rig # 6

SPUDDED: Date 11/19/94

Time

How ROTARY

Drilling will commence

Reported by BILL BRAZELTON

Telephone # 1-817-877-6000

Date 11/21/94 SIGNED JLT



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Union Pacific Resources  
ADDRESS P.O. Box 7, MS 2603  
Fort Worth, TX 76101

OPERATOR ACCT. NO. N 9465

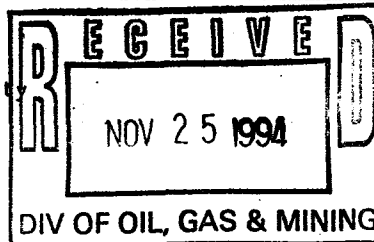
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11697	4303731742	Remington 21-1 H	SE	SE	21	31S	23E	San Juan	11-19-94
<p>WELL 1 COMMENTS:  <i>A new single well, Wildcat Field</i>  <i>but is referred to as Sixshooter Federal</i>  <i>Entity added 11-28-94 (Sixshooter Unit) - fee</i>  <i>on BLM Sundry</i>  <i>Notice</i> </p>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- ? A - Establish new entity for new well (single well only) 2.  
 B - Add new well to existing entity (group or unit well)  
 C - Re-assign well from one existing entity to another existing entity  
 D - Re-assign well from one existing entity to a new entity  
 E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



*Carolyn Shuman*  
Signature  
*Production Clerk*  
Title  
 Date  
 Phone No. 817,877-6467

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 40 TO REPORT No. 46

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
01/01/95	8701.	17:30 20:30	DRILL ROTATE 8468' TO 8526' 146 RPM. 8K
		20:30 21:00	DRILL SLIDE 8626' TO 8531' 180, 106 RPM. 25K
		21:00 22:15	DRILL ROTATE 8531' TO 8553' 146 RPM. 8K
		22:15 23:00	DRILL SLIDE 8553' TO 8558' 180, 106 RPM. 25K
		23:00 04:00	DRILL ROTATE 8558' TO 8622' 146 RPM 8K
		04:00 05:00	DRILL SLIDE 8622' TO 8630' 180, 106 RPM. 25K
			WEATHER IS 25 DEG. CLEAR AND CALM
			SHOWS AT : 8293 TO 8298' 170 UNITS, 8395 TO 8401' 250 UNITS, 8416 TO 8434' 200 UNITS, 8434 TO 8444' 250 UNITS
			LOST 12 BBL'S OIL MUD TO THE AND 41 BBL'S TO THE CENTRIFUGE LOWERING MUD WEIGHT
		05:00 20:30	DRILL SLIDE 8630' TO 8685' TF 180, 106 RPM. 18K
01/02/95	8853.	20:30 22:00	DRILL ROTATE 8685' TO 8701' 146 RPM. 8K
		22:00 02:00	CHECK MWD PUMP PILL, TRIP OUT
		02:00 05:00	PICK UP NEW MWD. AND MUD MOTOR, ORIENT TOOLS
		05:00	TRIP IN
			WEATHER IS 20 DEG. CLEAR AND CALM
			LOST 38 BBL'S MUD TO CENTRIFUGE LOWERING MUD WT
			SHOWS ARE 8602' TO 8617' 240 UNITS, 8688' TO 8692' 180 UNITS
		05:00 10:00	TRIP IN
		10:00 10:30	WASH/REAM 8685' TO 8701'
		10:30 14:30	DRILL ROTATE 8701 TO 8736'
01/03/95	8926.	14:30 17:00	DRILL SLIDE 8736' TO 8749' HS, 106 RPM, 20K
		17:00 19:30	DRILL ROTATE 8749' TO 8764' 146 RPM. 6K
		19:30 21:00	DRILL SLIDE 8764' TO 8780' HS, 106 RPM. 20K
		21:00 03:30	DRILL ROTATE 8780' TO 8844' 146 RPM. 6K
		03:30 04:30	DRILL SLIDE 8844' TO 8849' HS, 106 RPM, 20K
		04:30 05:00	DRILL ROTATE 8849' TO 8853' 146 RPM. 6K
			WEATHER IS 20 DEG. CLOUDY AND CALM
			LOST 30 BBL'S TO CENTRIFUGE LOWERING MUD WT.
			DRILL ROTATE 8853' TO 8892' 146 RPM. 6K

## OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
AFE No. :017553  
FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
API No. :43-037-31742  
RIG :FORWEST #6

SUMMARY OF OPERATIONS FROM REPORT No. 40 TO REPORT No. 46

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
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08:30	10:30	DRILL SLIDE 8892' TO 8897' HS, 106 RPM. 40K
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10:30	11:30	DRILL ROTATE 8897' TO 8901' 146 RPM. 6K
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11:30	17:30	DRILL SLIDE 8901' TO 8909' HS, 106 RPM. 40K
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17:30	20:00	PUMP PILL AND SHORT TRIP
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20:00	02:30	DRILL SLIDE 8909' TO 8923' HS, 106 RPM. 40K
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02:30	03:30	SPOT LUBRI GLIDE PILL
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03:30	05:00	DRILL SLIDE 8923' TO 8926'
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WEATHER IS 25 DEG. CLEAR AND CALM

LOST 30 BBL'S MUD TO CENTRIFUGE LOWERING MUD WT

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 40 TO REPORT No. 46

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
12/28/94	7720.	05:00 09:00	DRILL SLIDE 7603 TO 7632' 10L HS, 108 RPM. 30K
		09:00 09:30	SERVICE RIG, WORK BOP'S
		09:30 22:00	DRILL SLIDE 7632' TO 7720' 10L HS, 108 RPM.30K
		22:00 00:30	PUMP PILL AND TRIP OUT FOR STEERABLE ASSEMBLY
		00:30 02:00	PICK UP DS56H, SET MOTOR TO 1.2 DEG. ORIENT MWD
		02:00 05:00	TRIP IN, PICK UP KELLY AND FILL PIPE
12/29/94	8082.		WEATHER IS 35 DEG. CLEAR AND CALM
			SHOWS AT 7673' TO 7675' 200 UNITS, 7678' TO 7687' 270 UNITS
		05:00 07:30	DRILL ROTATE 7720' TO 7754' 146 RPM. 8K
		07:30 12:30	DRILL SLIDE 7754' TO 7773' HS, 106 RPM. 12K
		12:30 14:30	DRILL ROTATE 7773' TO 7779' 146 RPM. 8K
		14:30 15:00	SERVICE RIG, WORK BOP'S
		15:00 18:00	DRILL ROTATE 7779' TO 7859' 146 RPM. 8K
		18:00 19:00	DRILL SLIDE 7859' TO 7865' 5L, 106 RPM. 12K
		19:00 19:30	DRILL ROTATE 7865' TO 7891' 146 RPM. 8K
		19:30 20:00	DRILL SLIDE 7891' TO 7897' HS, 106 RPM. 12K
		20:00 01:00	DRILL ROTATE 7897' TO 7986' 146 RPM. 8K
		01:00 01:15	DRILL SLIDE 7986' TO 7990' HS, 106 RPM. 12K
		01:15 02:30	DRILL ROTATE 7990' TO 8018' 146 RPM. 8K
		02:30 03:30	DRILL SLIDE 8018' TO 8030' 10L, 106 RPM. 12K
		03:30 05:00	DRILL ROTATE 8030' TO 8082' 146 RPM. 8K
12/30/94	8303.		WEATHER IS 32 DEG. CLEAR AND CALM
			SHOW AT 7790 90 UNITS
		05:00 15:00	DRILL ROTATE 8082' TO 8177' 146 RPM. 8K
		15:00 17:00	DRILL SLIDE 8177' TO 8185' 4L HS, 106 RPM. 12K
12/31/94	8630.	17:00 05:00	DRILL ROTATE 8185' TO 8303'
			WEATHER IS 28 DEG. WITH LIGHT SNOW, CALM.
			8070 TO 8074' 420 UNITS, 8083 TO 8099' 400 UNIT
		05:00 08:30	DRILL SLIDE 8303 TO 8321 165L, 106 RPM. 25K
		08:30 17:00	DRILL ROTATE 8321' TO 8463' 146 RPM. 8K
		17:00 17:30	DRILL SLIDE 8463' TO 8468' 180, 106 RPM. 25K

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 32 TO REPORT No. 38

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		10:30 21:00	NIPPLE DOWN BOP'S, SET CASING SLIPS, NIPPLE UP 10"X5M BY 7 1/16X10M TBG. SPOOL. NIPPLE UP BOP'S, CHANGE PIPE RAMS
		21:00 05:00	TEST PIPE RAMS, BLIND RAMS, CHOKE MANIFOLD AND LINES, KILLINES, TO 5000 PSI.
			MWD, DIRECTIONAL AND MUD LOGGERS ON STANDBY 12/23/94 14:00
12/26/94	7578.	05:00 09:00	REPORT CASING JOB, NIPPLE UP, AND BOP TEST TO BLM (JEFF BROWN). BOP TEST WITTNESSED BY JEFF TEST HYDRILL TO 2500 PSI. CASING TO 3000 PSI. KELLY VALVE TO 5000 PSI.
		09:00 10:00	SLIP & CUT DRILL LINE
		10:00 10:30	INSTALL WEAR RING
		10:30 21:00	LAY DOWN 5" DRILL PIPE
		21:00 05:00	PICK UP 4" DRILL PIPE
			WEATHER IS 40 DEG. AND CLOUDY

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 32 TO REPORT No. 38

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
12/23/94	7575.	02:15 04:15	DRILL SLIDE 7481' TO 7507' 85L HS 86 RPM. 32K
		04:15 05:00	DRILL ROTATE 7507' TO 7512' 115 RPM. 32K
			WEATHER 30 DEG. CLEAR AND CALM
		05:00 07:30	LOST 70 BBL'S OF OIL MUD DRILL SLIDE 7512' TO 7537' 10L, 86 RPM. 30K
		07:30 09:00	ATTEMPT TO UNPLUG JETS
		09:00 14:00	TRIP OUT FOR MUD MOTOR
		14:00 16:30	CHAAANGE OUT MOTOT AND ORIENT TOOLS
		16:30 17:00	SERVICE RIG, WORK BOP'S
		17:00 21:00	TRIP IN
		21:00 21:30	WASH/REAM TO BTM
12/24/94	7578.	21:30 05:00	DRILL SLIDE 7537' TO 7575'  WEATHER IS 32 DEG. CLOUDY AND CALM
		05:00 07:00	LOST 132 BBL'S MUD TO THE HOLE DRILL SLIDE 7575' TO 7578' 10L, 86 RPM. 45K
		07:00 08:00	CIRCULATE FOR CASING
		08:00 09:00	PUMP PILL
		09:00 11:30	TRIP OUT DRILL PIPE
		11:30 12:00	PULL ROTATING HEAD BEARING PACK
		12:00 15:00	RIG UP T AND M CASERS
		15:00 20:00	WAIT ON WELDER TO WELD ON AND STRAP CASING SHOE
		20:00 04:00	RUN RUN 60 JTS. 7 3/4 " 46.1 PPF AND 115 JTS. 7 5/8" P-110, 29.7 PPF, SET FLOAT AT 7536' AND SHOE AT 7578'
		04:00 05:00	RIG UP DOWELL AND CIRC CASING  WEATHER IS 35 DEG. CLOUDY AND RAINING
12/25/94	7578.	05:00 08:00	<u>LOST 350 OIL MUD ON CASING JOB</u> <u>CIRCULATE CASING</u>
		08:00 10:30	RIG UP DOWELL AND CEMENT CASING WITH 50 BBL'S MUD PUSH XLO SPACER MIXED AT 13.2 PPB AND 154 BBL'S (855 SXS) G. WITH 24% D-44, .75 GPSX D-604AM, .03 GPSX M45 MIXED AT 16.2 PPG, DISPLACED WITH 10 BBL'S WATER AND 331 BBL'S OIL MUD. BUMP PLUG AT 10:20 WITH 2500 PSI.

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 32 TO REPORT No. 38

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
12/20/94	7138.	05:00 17:30	DRILL SLIDE 6965' TO 7015' 135R, 2-20K
		17:30 17:45	SURVEY @ 6963' 2 DEG. 158.2 ASTH.
		17:45 22:30	DRILL SLIDE 7015' TO 7081' 45R, 28K, 86 RPM.
		22:30 23:00	DRILL ROTATE 7081' TO 7086' 116 RPM. 18K
		23:00 00:30	DRILL SLIDE 7086' TO 7107' HS, 28K, 86 RPM.
		00:30 01:00	DRILL ROTATE 7107' TO 7112' 116 RPM. 18K
		01:00 03:00	DRILL SLIDE 7112' TO 7138' 30R HS, 28K, 86 RPM
		03:00 05:00	TRIP OUT TO RESET MOTOR TO 1.8 DEG.
			WEATHER IS 25 DEG. CLEAR AND CALM
			REPORT KICK OFF POINT TO BLM. ( ERIC JONES )
12/21/94	7278.	05:00 08:00	MUD LGGERS ON LOCATION 12/20/94 TRIP OUT TO RESET MOTOR
		08:00 09:00	CHANGE BHA RESET MOTOR
		09:00 10:00	TRIP IN TO CASING POINT
		10:00 10:15	TEST MWD
		10:15 13:00	TRIP IN WITH 1.8 DEG. MOTOR
		13:00 16:30	DRILL SLIDE 7138' TO 7200' HS-30R, 28K, 86RPM
		16:30 05:00	DRILL ROTATE 30K, 115 RPM.
			WEATHER IS 30 DEG. CLEAR AND CALM
12/22/94	7512.	05:00 14:30	LOST 107 BBL'S MUD ON TRIP DRILL ROTATE 7138' TO 7324' 115 RPM. 35K
		14:30 15:00	DRILL SLIDE 7324' TO 7331' 85L HS, 86 RPM. 32K
		15:00 16:30	DRILL ROTATE 7331' TO 7354' 115 RPM. 35K
		16:30 17:15	DRILL SLIDE 7354' TO 7361' 85L HS, 86 RPM. 32K
		17:15 20:00	DRILL ROTATE 7361' TO 7395' 115 RPM. 35K
		20:00 21:15	DRILL SLIDE 7395' TO 7415' 85L HS, 86 RPM.32K
		21:15 22:00	DRILL ROTATE 7415' TO 7425 115 RPM. 32K
		22:00 23:30	DRILL SLIDE 7425' TO 7446' 85L HS 86 RPM. 32K
		23:30 00:15	DRILL ROTATE 7446' TO 7456'115 RPM. 32K
		00:15 02:00	DRILL SLIDE 7456' TO 7476' 85L HS 86 RPM 30K
		02:00 02:15	DRILL ROTATE 7476' TO 7481' 115 RPM. 32K

## OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
AFE No. :017553  
FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
API No. :43-037-31742  
RIG :FORWEST #6

SUMMARY OF OPERATIONS FROM REPORT No. 25 TO REPORT No. 31

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
------	-------	------	------------------------

		20:00 22:30	PICK UP BUILD ASSEMBLY
--	--	-------------	------------------------

		22:30 23:00	PICK UP ROTATING HEAD BEARING ASSEMBLY
--	--	-------------	--

		23:00 23:30	TRIP IN TO CASING SHOE
--	--	-------------	------------------------

		23:30 24:00	PICK UP KELLY AND TEST MWD.
--	--	-------------	-----------------------------

		24:00 02:30	TRIP IN
--	--	-------------	---------

		02:30 03:00	SET UP MWD AND ORIENT TOOLS
--	--	-------------	-----------------------------

		03:00 04:00	DRILL SLIDE 6950 TO 6955' TF 135 4K
--	--	-------------	-------------------------------------

		04:00 05:00	DRILL (TIME) 6955' TO 6965'
--	--	-------------	-----------------------------

WEATHER IS 30 DEG. CLEAR AND CALM

BAKER HUGHES INTEK ON LOCATION 12/18/94



# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

SUMMARY OF OPERATIONS FROM REPORT No. 25 TO REPORT No. 31

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
12/17/94	7595.	13:30 15:30	LAY DOWN CORE, CORE BARREL AND ORIENTING TOOLS RECOVERED 60' OF CORE
		15:30 19:30	TRIP IN RR BIT #8 (HP51A)
		19:30 01:30	REAM 8 1/2" CORE HOLE TO 9 7/8"
		01:30 05:00	DRILLED 7495' TO 7558'
			WEATHER IS 25 DEG. CLEAR AND CALM
			RELEASE BAKER HUGHES INTEK 12/14/94
		05:00 07:30	AT DEPTH OF 7446' GAS INCREASED TO 240 UNITS DRILLED 7558' TO 7595' 65 RPM. 45K
		07:30 08:30	CIRCULATE FOR LOGS
		08:30 12:00	TRIP OUT FOR LOGS (SLM 7591 NO CORR.)
		12:00 03:00	RIG UP SCHLUMBERGER AND RUN CNL LDT GR CAL FROM 7560' TO SURFACE, RUN AIT BHCS GR CAL FROM 7560 UP TO SUFACE CASING, UBI FROM 7505' UP TO 7420' 7250 UP TO 7195', 6290' UP TO 6250', 6100' UP 6055'
12/18/94	7595.	03:00 05:00	TRIP IN OPEN ENDED TO PLUG BACK
			WEATHER IS 20 DEG. CLEAR AND CALM
		05:00 07:00	RELEASED MUD LOGGERS ON 12/16/94 TRIP IN OPEN ENDED TO 7593'
		07:00 08:00	CIRCULATE FOR PLUG
		08:00 09:30	RIG UP DOWELL AND SET CENT PLUG, 50 BBLs WATER AHEAD, 650 SXS G WITH 35% SALT AND .02% D-065 DISPERSANT MIXED AT 17.5 LBS. PER GAL. DISPLACE WITH 13 BBLs OF WATER AND 90 BBL'S OIL MUD
		09:30 11:30	TRIP OUT
12/19/94	6965.	11:30 05:00	WAIT ON CEMENT, CLEAN MUD TANKS, TRIP IN TO 6000', CIRCULATE AND CONDITION MUD
			WEATHER IS 20 DEG. CLEAR AND CLM
		05:00 07:30	ANADRILL ON LOCATION AT 5:00 P.M. 12/17/94 CIRCULATE CONDITION MUD
		07:30 08:00	TRIP IN AND TAG CEMENT AT 6544'
		08:00 15:30	DRILL CEMENT FROM 6544' TO 6950'
		15:30 16:30	CIRCULATE BTMS UP
		16:30 20:00	TRIP OUT

# **OPERATION SUMMARY REPORT**

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 25 TO REPORT No. 31

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
12/13/94	7214.	05:00 07:00	DRILL ROTATE TO 7214'
		07:00 08:00	CIRCULATE FOR SAMPLES
		08:00 11:30	TRIP OUT OF HOLE
		11:30 12:30	PU/LD BHA & TOOLS MWD
		12:30 16:30	TRIP IN HOLE AND TEST MWD
		16:30 17:00	FILL PIPE AND SURVEY AT 6510'
		17:00 17:30	TRIP IN HOLE TO 6960'
		17:30 18:00	SURVEY AT 6960'
		18:00 18:30	TRIP IN HOLE
		18:30 02:00	LOG WITH MWD FROM 6940' TO TD
		02:00 05:00	TRIP OUT OF HOLE AND LD MWD
			NO ACCIDENTS AND NO POLLUTION
			TEMP 15-35 AND CLEAR
			LOST 20 BBLs MUD DURING TRIPS
12/14/94	7291.		CANE CREEK TOP @ 7196' ACCORDING TO DRLG RATE
			AND SAMPLES. MWD GR SEEMS TO INDICATE THAT WE
			ARE IN CLASTIC 19. PLAN TO RUN CORE BARREL AND
			CORE TO DETERMINE WHICH ZONE WE ARE IN.
		05:00 07:00	INSTALL ROTATING HEAD BEARING ASSEMBLY
		07:00 08:00	SLIP & CUT DRILL LINE
		08:00 11:00	WAIT ON LOGGERS TO RUN GR
		11:00 14:00	RU BLUEJET LOGGERS AND RUN GR FROM 7200' TO
			5500' FOR CORRELATION
		14:00 15:00	PULL BEARING PACK AND PICK UP MWD
		15:00 16:00	TRIP IN HOLE WITH DRILL COLLARS
		16:00 17:00	INSTALL BEARING PACK AND TEST MWD
		17:00 19:00	TRIP IN HOLE. 10' FILL
		19:00 19:30	WASH 10' TO BOTTOM
		19:30 05:00	DRILL ROTATE TO 7291'
12/15/94	7456.		NO ACCIDENT AND NO POLLUTION
			TEMP 20-35 AND CLOUDY
			SALT TOP AT 7259'
		05:00 10:00	DRILL ROTATE TO 7415' 50 RPM. 50K
		10:00 10:30	SERVICE RIG, WORK BOP'S
		10:30 12:15	DRILL ROTATE 7415' TO 7435' 50 RPM. 50K
		12:15 13:15	CIRCULATE BTMS UP
		13:15 15:30	SHORT TRIP
		15:30 19:00	TRIP OUT
		19:00 22:00	PICK UP HOMCO CORE BARREL AND SCIENTIFIC EYE
			ORIENTING TOOLS
		22:00 01:00	TRIP IN
		01:00 05:00	CORE 7435' TO 7456' 65 RPM. 12K
12/16/94	7558.	05:00 10:00	WEATHER IS 25 DEG. CLEAR AND CALM
		10:00 13:30	CORE 7456' TO 7495' 65 RPM. 12K
			TRIP OUT

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 18 TO REPORT No. 24

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		08:45 11:45	TRIP IN HOLE WITHOUT MWD
		11:45 14:00	BUILD AND PUMP 60 BBL PILL OF 17#/BBL LCM AND PUMP TO BOTTOM. BUILD SECOND 60 BBL PILL.
		14:00 05:00	DRILL ROTATE TO 6295'. INITIALLY LOST 20 BBLS, BUT HAVE NOT LOST ANY FLUID SINCE THEN.
			NO ACCIDENT AND NO POLLUTION TEMP 10-30 AND CLEAR
12/11/94	6657.	05:00 05:00	CLASTIC 13 TOP @ 6259'.50% ANHYDRITE,30% SLST, 10% SALT DRILL ROTATE TO 6657' LOST 17 BBLS MUD FROM 6295' TO 6335', MIXED PILL AND SWEEP HOLE. LOST 16 BBLS FROM 6462' TO 6562' AND 12 BBLS FROM 6572' TO 6586'. MIXED PILL AND SWEEP HOLE. WELL APPEARS TO BE TAKING 1/2 BBL PER HOUR. LOST A TOTAL OF 100 BBLS IN LAST 24 HOURS.
			NO ACCIDENTS AND NO POLLUTION TEMP 7-35 AND CLEAR
			SALT 17 TOP @ 6578'. 100% SALT
12/12/94	7210.	05:00 14:00	IT APPEARS THAT WE LOOSE SOME MUD EVERY TIME WE DRILL THROUGH A CLASTIC. PROBABLY FRACTURES IN THE CLASTICS THAT ARE TAKING THE FLUID
		14:00 14:30	DRILL ROTATE TO 6880'
		14:30 05:00	SERVICE RIG DRILL ROTATE TO 7210'
			NO ACCIDENTS AND NO POLLUTION PARADOX SALT

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 18 TO REPORT No. 24

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
12/06/94	5203.	05:00 09:00	CONDITION MUD AND LOWER WT TO 9.5 PPG
		09:00 13:00	DRILL ROTATE TO 4953'
		13:00 13:30	SERVICE RIG
		13:30 05:00	DRILL ROTATE TO 5203'. LOOSING 3-5 BBLs PER HR LOST 50 BBLs MUD FROM 5174' TO 5203'. MIXED AND PUMPED 50 BBLs LCM PILL.
			NO ACCIDENTS AND NO POLLUTION TEMP 25-40 AND SNOW
			DESERT CREEK AT 5160'-40% SH,30% ANHY, 30% DOL LOWER ISMAY TOP AT 5015'
12/07/94	5412.	05:00 08:00	DRILL ROTATE TO 5308'
		08:00 09:00	CIRCULATE FOR SAMPLES
		09:00 12:30	DRILL ROTATE TO 5380'
		12:30 13:00	CIRCULATE FOR SAMPLES
		13:00 15:00	PUMP PILL AND TOO H TO DRILL COLLARS
		15:00 19:00	INSPECT BHA
		19:00 22:00	PU/LD BHA & TOOLS
		22:00 23:30	TRIP IN HOLE TO 1950', BREAK CIRC AND SURVEY WITH MWD
		23:30 03:30	TRIP IN - SURVEY EVERY 5 STANDS WITH MWD. STRAP PIPE NO CORRECTION
		03:30 05:00	DRILL ROTATE TO 5412'. LOSING 2/3 BPM IN MUD VOLUME
			NO ACCIDENTS AND NO POLLUTION TEMP 25-35 AND CLOUDY
			PARADOX SALT TOP @ 5216'
12/08/94	5975.	05:00 09:00	LOST 58 BBLs MUD YESTERDAY
		09:00 09:30	DRILL ROTATE TO 5504'
		09:30 05:00	SERVICE RIG DRILL ROTATE TO 5975'
			NO ACCIDENTS AND NO POLLUTION TEMP 20-35 AND CLEAR. 3" NEW SNOW
12/09/94	6101.	05:00 11:30	PARADOX SALT-80% SALT,10% ANHYDRITE,10% SH&SLST DRILL ROTATE TO 6095'. LOST 30 BBLs MUD @ 6086' TO 6090'. PUMP 30 BBL LCM PILL. LOST 20 BBLs @ 6094'. PUMP 40 BBL LCM PILL
		11:30 16:00	CONDITION MUD, BUILD VOLUME AND SPOT LCM PILL
		16:00 17:00	DRILL ROTATE TO 6101'. LOSING 1 BPM (30 BBLs)
		17:00 20:30	PUMP PILL AND TOO H.
		20:30 21:00	LD MUD MOTOR AND 2 JTS DP
		21:00 24:00	WAIT ON WIRELINE TRUCK
		24:00 05:00	RU BLUE JET AND RUN TEMPERATURE LOG BASE LOG SHOWS SIGNIFICANT (.5 DEGREE COOLING) ON BOTTOM FROM 6086' TO TD
			NO ACCIDENTS AND NO POLLUTION TEMP 13-35 AND CLEAR
12/10/94	6295.	05:00 07:30	SAMPLES-60% ANHYDRITE,20% SLTST, 20% SHALE
		07:30 08:45	FILL HOLE AND RERUN TEMP LOG. RD BLUEJET FILL PILL TANK AND START CENTRIFUGE

## OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
AFE No. :017553  
FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
API No. :43-037-31742  
RIG :FORWEST #6

SUMMARY OF OPERATIONS FROM REPORT No. 11 TO REPORT No. 17

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
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23:45	01:00	LOST CIRCULATION. MIXED LCM PILL AND SPOTTED IN OPEN HOLE. 75% RETURNS WHILE DISPLACING PILL AT REDUCED PUMP RATE. LOST 235 BBLS TOTAL
01:00	05:00	TRANSFER MUD FROM STORAGE TO MUD TANKS AND PROCESS THRU CENTRIFUGES TO CUT WEIGHT.

NO ACCIDENTS AND NO POLLUTION  
TEMP 35-45 AND CLOUDY

UPPER ISMAY TOP AT 4887' (+1517')-50% SH,  
30% LS, 20% ANHYD

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 11 TO REPORT No. 17

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
11/29/94	3370.	05:00 08:30	DRILLED 3040' TO 3086'
		08:30 09:00	SERVICE RIG, WORK BOP'S
		09:00 05:00	DRILLED 3086' TO 3370'
11/30/94	3609.	05:00 08:30	WEATHER IS 15 DEG. CLEAR AND CALM PUMP PILL, DROP SURVEY AND TRIP OUT
		08:30 10:00	REPAIR FLOW LINE
		10:00 13:00	TRIP IN WITH BIT #5 AND MUD MOTOR
		13:00 05:00	DRILLED 3470' TO 3609'
12/01/94	3825.	05:00 05:30	WEATHER 25 DEG. CLEAR AND CALM DRILL ROTATE TO 3611'
		05:30 06:30	DROP SURVEY AND PUMP PILL
		06:30 12:00	TRIP FOR BIT AND MUD MOTOR NO FILL
		12:00 14:00	DRILL ROTATE TO 3627'
		14:00 14:30	SERVICE RIG
		14:30 05:00	DRILL ROTATE TO 3825'
12/02/94	4168.		NO ACCIDENTS AND NO POLLUTION TEMP 15-50 AND CLEAR
			HONAKER TRAIL (HERMOSA) TOP @ 3600'.40% LS, 20% DOL,20% SS,20% SLST
		05:00 19:15	DRILL ROTATE TO 4038'
		19:15 19:45	SURVEY MISRUN
		19:45 21:00	DRILL ROTATE TO 4069'
		21:00 21:45	CIRC AND SURVEY
12/03/94	4462.	21:45 05:00	DRILL ROTATE TO 4168'
			NO ACCIDENTS AND NO POLLUTION TEMP 20-45 AND CLEAR
			HONAKER TRAIL-50% LS, 50% SLTST (OCC UP TO 40% SS)
		05:00 05:00	DRILL ROTATE TO 4462'
			NO ACCIDENTS AND NO POLLUTION TEMP 25-60 AND CLEAR
			HONAKER TRAIL (HERMOSA)-80% LS,10% DOL,10% SLST
12/04/94	4730.	05:00 12:15	DRILL ROTATE TO 4542'
		12:15 13:00	SURVEY
		13:00 05:00	DRILL ROTATE TO 4730'
12/05/94	4923.		NO ACCIDENTS AND NO POLLUTION TEMP 30-55 AND CLOUDY
			HONAKER TRAIL (HERMOSA)-20% LS,30% DOL,50% SLST
		05:00 08:00	DRILL ROTATE TO 4763'
		08:00 08:30	SERVICE RIG
		08:30 11:00	DRILL ROTATE TO 4783'
		11:00 17:00	PUMP PILL AND TRIP FOR BIT AND MUD MOTOR
		17:00 18:00	WASH/REAM FROM 4690' TO 4783'
		18:00 23:45	DRILL ROTATE TO 4923'

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

SUMMARY OF OPERATIONS FROM REPORT No. 4 TO REPORT No. 10

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
11/25/94	1900.	01:00 05:00	DRILLED 1510 TO 1565'
			REPORT BOP TEST TO BLM (JEFF BROWN)
		05:00 08:00	WEATHER IS 15 DEG. CLEAR AND CALM DRILLED 1565' TO 1605'
		08:00 09:30	PUMP PILL AND TRIP OUT
		09:30 12:00	PICK UP BHA AND BIT # 4 (SATJ11H) TRIP IN
		12:00 20:00	DRILLED 1605 TO 1732' 80 RPM. 35K
		20:00 20:30	SURVEY @ 1685' 1 DEG.
		20:30 04:00	DRILLED 1732' TO 1889' 80 RPM. 40K
		04:00 04:30	SURVEY @ 1878' 3/4 DEG.
11/26/94	2468.	04:30 05:00	DRILLED 1889' TO 1900'
		05:00 14:30	WEATHER 20 DEG. CLEAR AND CALM DRILLED 1900' TO 2141' 75 RPM. 40K
		14:30 15:00	SURVEY @ 2095' 3/4 DEG.
		15:00 01:00	DRILLED 2141' TO 2392' 75 RPM. 45K
		01:00 01:30	SURVEY @ 2345' 1/2 DEG.
11/27/94	2710.	01:30 05:00	DRILLED 2392' TO 2468' 75 RPM. 48-50K
		05:00 02:00	WEATHER IS 25 DEG. CLEAR AND CALM DRILLED 2468' TO 2710'
		02:00 05:00	PUMP PILL, DROP SURVEY AND TRIP OUT FOR BIT # 5
11/28/94	3040.		WEATHER IS 15 DEG. CLEAR AND CALM WITH 3" OF NEW SNOW
		05:00 08:00	LOST 80 BBL'S MUD TO THE HOLE TRIP IN WITH BIT #5 (F-2)
		08:00 02:30	DRILLED 2710' TO 2992' 75 RPM. 40-48K
		02:30 03:00	SURVEY @ 2945' 3/4 DEG.
		03:00 05:00	DRILLED 2992' TO 3040' 75 RPM. 40-48K WEATHER IS 20 DEG. CLEAR AND CALM

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 4 TO REPORT No. 10

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
11/22/94	1510.	05:00 09:45	DRILLED 1170' TO 1257' 100 RPM. 30K
		09:45 10:15	SURVEY @ 1209' 3/4 DEG.
		10:15 21:00	DRILLED 1257' TO 1510' 100 RPM. 40K
		21:00 21:30	CIRCULATE FOR CASING
		21:30 01:00	DROP SURVEY, TRIP OUT, LAY DOWN 9" DC'S & 3 PTS
		01:00 04:00	RIG UP WESTSTATES CASING AND RUN 33 JTS, 10 3/4 K-55, STC, 45.5# CASING SET FLOAT AT 1456' AND SHOE AT 1504'
		04:00 05:00	RIG UP DOWELL AND CIRCULATE CASING WITH RIG
11/23/94	1510.		REPORT CASING JOB TO BLM AND JOB WITNESSED BY JEFF BROWN
			WEATHER IS COOL, WITH CLEAR SKYS AND, CALM WINDS, ROADS ARE SNOW PACKED
		05:00 07:00	RIG UP DOWELL AND CEMENT CASING WITH 775 SXS 35-65 WITH 6% GEL, 2% CACL, 1/4#/SX CELLOFLAKE AND 250 SXS G WITH 2% CACL, 1/4#/SX CELLOFLAKE DISPLACE WITH 140 BBL'S WATER AT 5 BPM, BUMP PLUG WITH 850 PSI. AT 07:00
		07:00 14:30	WAIT 30 MINUTES AND 1" WITH 45 SXS G AT 100' (CEMENT FELL OUT OF SIGHT), WAIT 2 HOURS AND 1" WITH 50 SXS G AT 100'( WAIT ON CEMENT)
		14:30 17:00	WELD ON WELL HEAD
		17:00 19:00	LET HEAD COOL
		19:00 19:30	TEST CASING HEAD TO 1200 PSI. (O.K.)
11/24/94	1565.	19:30 05:00	NIPPLE UP 13 5/8X10,000 BOP'S AND START BOP TESTS
			REPORT CEMENT JOB TO BLM. JEFF BROWN
			TRANSPORT OIL MUD FROM WINCHESTER TO REMINGTON
		05:00 08:00	WEATHER IS 10 DEG. CLEAR AND CALM NIPPLE UP BOP'S AND TEST MANIFOLD
		08:00 16:30	TEST PIPE RAMS, BLINDS RAMS, CHOKE MANIFOLD, FLOOR VALVES, KELLY VALVES, KILL LINE VALVES, TO 300PSI. ON LOW TEST AND 5000 PSI. HYDRIL TO 2500 PSI. ROTATING HEAD TO 1200 PSI. TEST CASING TO 1800 PSI.
		16:30 19:00	TRIP IN
		19:00 23:00	DISPLACE HOLE WITH OIL MUD, CIRCULATE AND COND. MUD
		23:00 01:00	DRILL CEMENT/FLOAT EQUIP.



# **OPERATION SUMMARY REPORT**

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 1 TO REPORT No. 3

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
11/19/94	108.0		FIRST REPORT OF OPERATION AFE IN THE AMOUNT OF 1747M TO DRILL, COMPLETE AN EQUIP AN HORIZONTAL WELL IN THE CANE CREEK IN THE SW/4 OF SECTION 21-R31S R23E, SAN JUAN CO. UTAH. GROUND LEVEL 6376, KBE 6404'. SET 80' OF 16" CONDUCTOR
		05:00 03:00	MOVE IN AND RIG UP FORE WEST #6
		03:00 05:00	PICK UP BHA
11/20/94	630.0	05:00 07:00	REPORT SPUD TO BLM. (JEFF BROWN) PICK UP BHA
		07:00 10:00	REPAIR PIT PUMP
		10:00 11:15	DRILLED 108' TO 165'
		11:15 15:45	REPAIR PIT LINER UNDER SHALE TANK
		15:45 20:15	DRILLED 165' TO 354'
		20:15 20:30	SURVEY @ 306' 3/4 DEG.
		20:30 21:30	HOOK UP FLOW LINE
11/21/94	1170.	21:30 05:00	DRILLED 354' TO 630'
		05:00 06:30	DRILLED 630' TO 657'
		06:30 07:00	CIRC AND SURVEY AT 609' 3/4 DEG.
		07:00 08:30	MIX LCM PILL AND SPOT ON BTM.
		08:30 11:30	TRIP FOR BIT #2, (HP51A)
		11:30 12:00	WASH/REAM 610' TO 657'
		12:00 00:30	DRILLED 657' TO 1004 MIX GEL AND LCM, (LOST 1000 BBL'S)
		00:30 01:00	SURVEY @ 956' 1 DEG
		01:00 05:00	DRILLED 1004' TO 1170'

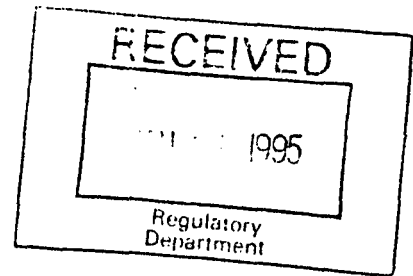


**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

January 4, 1995

Bureau of Land Management  
Utah State Office  
Branch of Fluid Minerals  
324 South State Street, Suite 301  
Salt Lake City, Utah 84111-2303  
Attention: Jim Fouts



RE: Remington 21-1H Well  
Sixshooter Unit Area  
San Juan County, Utah

Gentlemen:

Pursuant to our discussions and your verbal approval today, Union Pacific Resources Company (UPRC), as Unit Operator for the Sixshooter Unit Area (Area), will revise its drilling orientation for the Remington 21-1H Well.


Section 9 (Drilling to Discovery) of the Unit Agreement for the development and operation of said Area will be revised whereby UPRC plans to drill a 3,500 foot lateral in a N90E direction or to sufficiently test the Cane Creek zone of the Pennsylvanian Paradox Formation.

Thank you for your assistance in this matter. Please call me at 817-877-7763 should you have any questions.

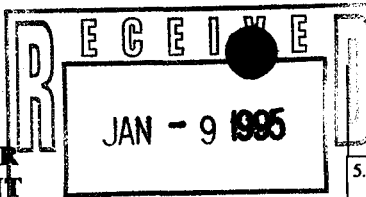
Sincerely,

  
Wendell Hibbett

cc: State of Utah BLM  
Moab District  
82 East Dogwood  
Moab, Utah 84532  
Attn: Eric Jones

W. F. Brazelton  
J. O. Svoboda 

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

DIV OF OIL, GAS & MINING

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

UNION PACIFIC RESOURCES COMPANY

3. Address and Telephone No.

PO BOX 7 MS 3006 FORT WORTH, TX 76101-0007 (817) 877-6000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL SEC. 21, T. 31 S., RL23 E., SLBM

SE4/SE4 SEC 21, T. 31 S., R. 23 E., SLBM

5. Lease Designation and Serial No.

UTU 68659

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SIXSHOOTER FEDERAL

8. Well Name and No.

REMINGTON 21-1H

9. API Well No.

43-037-31742

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SAN JUAN COUNTY, UTAH

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other \_\_\_\_\_
- ☒ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Union Pacific Resources Company, Operator, has determined that it will be necessary to change the orientation of the horizontal lateral in the Remington Federal 21-1H in San Juan County, Utah, in order to realize the full potential of the well.

Please see the attached letter dated January 4, 1995, submitted as written confirmation of the Verbal Approval given this date.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL "COMPANY CONFIDENTIAL"

IF ADDITIONAL INFORMATION IS REQUIRED, PLEASE CONTACT THE UNDERSIGNED AT (817) 877-7952

14. I hereby certify that the foregoing is true and correct

Signed W. F. BRAZELTON

Title

SR. REGULATORY ANALYST

Date

1-6-95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 60 TO REPORT No. 66

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
01/21/95	9137.	05:00 07:00	SAMPLES: 80% SLTST, 20% SHALE, TR ANHY
		07:00 07:30	DRILL ROTATE TO 9017'
		07:30 10:00	PUMP PILL
		10:00 11:00	WIPER TRIP TO CASING SHOE
		11:00 12:00	ORIENT INTO SIDETRACKS
		12:00 17:00	TRIP IN HOLE
		17:00 22:30	DRILL SLIDE TO 9030' TF - HS
		22:30 03:30	DRILL ROTATE TO 9062'
		03:30 05:00	DRILL SLIDE TO 9109' TF - 20R
			DRILL ROTATE TO 9137'
		NO ACCIDENT AND NO POLLUTION	
		TEMP 15 - 35 PARTLY CLOUDY	
01/22/95	9260.	05:00 08:30	SAMPLES: 80% SALT, 10% ANHYDRITE, 10% SHALE
		08:30 10:00	TOP OF SALT: 9058'
		10:00 15:30	DRILL ROTATE TO 9159'
		15:30 16:00	DRILL SLIDE TO 9164' TF - HS
		16:00 16:45	DRILL ROTATE TO 9201'
		16:45 17:00	CHECK MWD
		17:00 20:00	DRILL ROTATE TO 9204'
		20:00 01:00	ORIENT TOOL FACE FOR SLIDE
		01:00 03:30	DRILL SLIDE TO 9214' TF - LS
		03:30 05:00	DRILL ROTATE TO 9238'
		DRILL SLIDE TO 9246' TF - LS	
		DRILL ROTATE TO 9260'	
		NO ACCIDENTS AND NO POLLUTION	
		TEMP 10 - 30 AND PARTLY CLOUDY, 1" SNOW	
01/23/95	9410.	05:00 07:00	SAMPLES: 40% SHALE, 40% SLTST, 20% ANHYDRITE
		07:00 15:30	DRILL SLIDE TO 9263' TF - 150/160R
		15:30 16:00	DRILL ROTATE TO 9315'
		16:00 17:30	SERVICE RIG
		17:30 19:00	DRILL ROTATE TO 9326'
		19:00 21:00	DRILL SLIDE TO 9329' TF - LS
		21:00 03:00	DRILL ROTATE TO 9347'
		03:00 05:00	DRILL SLIDE TO 9389' TF - 170R
			DRILL ROTATE TO 9410'
		TEMP 15 - 35 AND CLEAR	
		SAMPLES: 60% SHALE, 40% SLTST	

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 60 TO REPORT No. 66

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
01/17/95	8470.	05:00 07:00	DRILL ROTATE TO 8383'
		07:00 14:00	DRILL SLIDE TO 8439' TF - HS
		14:00 16:00	DRILL ROTATE TO 8458'
		16:00 16:30	SERVICE RIG, SURVEY AND PUMP PILL
		16:30 20:00	TRIP OUT OF HOLE. LD 12 JTS OF DRILL PIPE
		20:00 21:30	CHANGE BITS, CHECK MWD AND MOTOR
		21:30 24:00	TRIP IN HOLE TO 7585'
		24:00 00:30	C/O ROT. HEAD RUBBER
		00:30 01:30	ORIENT INTO SIDETRACKS
		01:30 03:00	PROBLEMS WITH MWD COMPUTER. HAD TO REBOOT
		03:00 03:30	TRIP IN HOLE TO 8456'
		03:30 05:00	DRILL ROTATE TO 8470'
			NO ACCIDENTS AND NO POLLUTION
			TEMP 20 - 35 AND CLOUDY, 2" NEW SNOW
			SAMPLES: 90% SILSTONE, 10 % SHALE
			TRIP GAS - 2900 UNITS
01/18/95	8744.	05:00 05:30	PROBLEM WITH MWD COMPUTER
		05:30 17:00	DRILL SLIDE TO 8573' TF - LS
		17:00 18:30	DRILL ROTATE TO 8597'
		18:30 19:00	SERVICE RIG
		19:00 20:30	DRILL ROTATE TO 8628'
		20:30 23:00	DRILL SLIDE TO 8639' TF - HS
		23:00 05:00	DRILL ROTATE TO 8744'
			NO ACCIDENTS AND NO POLLUTION
01/19/95	8935.		TEMP 18 - 34 AND CLEAR
			SAMPLES: 90% SHALE (BLACK, ORGANIC), 10% SILSTONE
			DRLG BRK: 8689'-8744' 500 UNITS GAS
		05:00 07:30	DRILL ROTATE TO 8788'
		07:30 12:00	DRILL SLIDE TO 8808' TF - LS
		12:00 12:30	SERVICE RIG
		12:30 19:30	DRILL ROTATE TO 8871'
		19:30 21:00	DRILL SLIDE TO 8883' TF - LS
		21:00 21:30	DRILL ROTATE TO 8888'
		21:30 00:30	DRILL SLIDE TO 8903' TF - LS
		00:30 04:00	DRILL ROTATE TO 8930'
		04:00 05:00	DRILL SLIDE TO 8935' TF - HS
			NO ACCIDENTS AND NO POLLUTION
			TEMP 20 - 45 AND CLEAR
01/20/95	9008.		SAMPLES: 30% ANHYDRITE, 50% SILSTONE, 20% SHALE
			SHOWS: 8689'-8782' 560 UNITS
		05:00 10:30	DRILL ROTATE TO 8978'
		10:30 11:00	PUMP PILL
		11:00 14:30	TRIP OUT OF HOLE TO CHANGE MUD MOTOR
		14:30 16:00	LD MUD MOTOR, PU NEW MUD MOTOR, ORIENT MWD AND TEST SAME
		16:00 19:00	TRIP IN HOLE, FILLING PIPE
		19:00 21:00	ORIENT INTO SIDETRACKS
		21:00 23:00	DRILL SLIDE TO 8982' TF - HS
		23:00 24:00	DRILL ROTATE TO 8987'
		24:00 05:00	DRILL SLIDE TO 9008' TF - HS
			NO ACCIDENTS AND NO POLLUTION
			TEMP 18 - 35 AND CLEAR

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
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 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
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 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 53 TO REPORT No. 59

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
		08:00 16:00	DRILL (TIME) TO 7689'.START SIDETRACK #3 @ 7681
		16:00 17:00	DRILL SLIDE TO 7694' TF - 180/160L
		17:00 18:30	ORIENT INTO SIDETRACK
		18:30 05:00	DRILL SLIDE TO 7759'. TF - 160/90L
			NO ACCIDENTS AND NO POLLUTION TEMP 34 - 43 AND CLEAR
			SAMPLES: 30% ANHYDRITE,30% SHALE,40% SILTSTONE
01/14/95	7843.	05:00 17:30	SIDETRACK #3 STARTED AT 7681' ✓ DRILL SLIDE TO 7831' TF - 50/30L
		17:30 18:00	PUMP PILL
		18:00 20:00	TRIP OUT OF HOLE
		20:00 22:00	CHANGE OUT BHA AND BIT. ORIENT MUD MOTOR AND CHECK MWD
		22:00 24:00	TRIP IN HOLE
		24:00 03:30	ORIENT INTO SIDETRACKS
		03:30 05:00	DRILL SLIDE TO 7843' TF - 80/85L
			NO ACCIDENTS AND NO POLLUTION TEMP 25 - 50 AND CLEAR
01/15/95	8028.	05:00 07:00	SAMPLES: 80% SILSTONE,20% SHALE, TR SALT & ANHY DRILL SLIDE TO 7854' TF - 80/85L
		07:00 17:00	DRILL SLIDE TO 7951' TF - 90/150L
		17:00 17:30	SERVICE RIG
		17:30 19:00	DRILL SLIDE TO 7961' TF - 150L
		19:00 21:00	DRILL ROTATE TO 7977'
		21:00 05:00	DRILL SLIDE TO 8028' TF - 175L/180
			NO ACCIDENTS AND NO POLLUTION TEMP 28 - 50 AND CLOUDY
01/16/95	8340.	05:00 07:00	SAMPLES: 60% SILSTONE, 40% ANHYDRITE, TR SHALE DRILL SLIDE TO 8044' TF - 170L
		07:00 13:30	DRILL ROTATE TO 8104'
		13:30 17:00	DRILL SLIDE TO 8135' TF - HS/20R
		17:00 17:30	SERVICE RIG
		17:30 21:00	DRILL ROTATE TO 8204'
		21:00 23:00	DRILL SLIDE TO 8225' TF - 20R
		23:00 02:00	DRILL ROTATE TO 8300'
		02:00 04:30	DRILL SLIDE TO 8331' TF - 20R
		04:30 05:00	DRILL ROTATE TO 8340'
			NO ACCIDENTS AND NO POLLUTION TEMP 25 - 40 AND CLOUDY, 1" NEW SNOW
			SAMPLES: 100% SILSTONE SHOWS: 480 UNIT GAS AT 8130-8140'

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 53 TO REPORT No. 59

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
01/10/95	7945.	05:00 07:00	LAY DOWN BHA
		07:00 10:00	CHANGE OUT MWD & MOTOR. ORIENT AND TEST MWD
		10:00 13:30	TRIP IN HOLE FILLING PIPE
		13:30 14:00	ORIENT INTO SIDETRACK
		14:00 14:30	TRIP TO BOTTOM
		14:30 21:00	DRILL SLIDE TO 7918' TF - 115L/120L
		21:00 02:00	DRILL ROTATE TO 7934'
		02:00 03:00	RELOG GAMMA RAY FROM 7879' TO 7899'
		03:00 05:00	DRILL SLIDE TO 7945' TF - 145L
			NO ACCIDENTS AND NO POLLUTION TEMP 30 - 45 AND PARTLY CLOUDY
01/11/95	7960.		DRILLING ANHYDRITE
		05:00 07:00	DRILL SLIDE TO 7948' TF - 160L
		07:00 07:30	MWD GAMMA RAY MALFUNCTION. PUMP PILL
		07:30 09:30	TRIP OUT OF HOLE
		09:30 10:00	SERVICE RIG AND TEST CROWN O MATIC
		10:00 13:00	CHANGE OUT MWD AND TEST
		13:00 16:30	TRIP IN HOLE FILLING PIPE
		16:30 17:00	ORIENT INTO SIDETRACK
		17:00 17:30	LOG GAMMA RAY FROM 7918' TO 7948'
		17:30 22:30	DRILL ROTATE TO 7957'
		22:30 01:00	DRILL SLIDE TO 7960' TF - 160/170L
		01:00 01:30	MIX AND PUMP PILL
		01:30 04:30	TRIP OUT OF HOLE
		04:30 05:00	CHANGE OUT BIT
			NO ACCIDENTS AND NO POLLUTION TEMP 30 - 40 AND CLEAR
			SAMPLES: ANHYDRITE
			GAMMA RAY PROBLEMS READINGS APPEAR TO BE GOOD WHILE SLIDING, BUT ARE ERATIC WHILE ROTATING
01/12/95	8109.	05:00 08:00	TRIP IN HOLE
		08:00 09:00	ORIENT INTO SIDETRACK
		09:00 09:15	TRIP IN HOLE
		09:15 10:00	DRILL SLIDE TO 7967' TF - 150L
		10:00 16:00	DRILL ROTATE TO 8013'
		16:00 17:00	DRILL SLIDE TO 8023' TF - 150L
		17:00 19:00	DRILL ROTATE TO 8045'
		19:00 20:00	CIRCULATE FOR SAMPLES
		20:00 22:30	DRILL ROTATE TO 8077'
		22:30 23:00	DRILL SLIDE TO 8087' TF - 170L
		23:00 24:00	DRILL ROTATE TO 8108'
		24:00 00:30	SURVEY AND PUMP PILL
		00:30 02:30	TRIP OUT TO CHANGE BHA
		02:30 04:00	RESET MUD MOTOR, CHANGE BIT AND TEST MWD
		04:00 05:00	TRIP IN HOLE
			NO ACCIDENTS AND NO POLLUTION TEMP 30 - 45 AND CLOUDY. 1" NEW SNOW
			SAMPLES: SALT #21 AT 8071'
01/13/95	7759.		PLAN TO OPEN HOLE SIDETRACK AT 7681' ✓
		05:00 07:00 07:00 08:00	TRIP IN HOLE FILLING PIPE ORIENT INTO SIDETRACK

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 47 TO REPORT No. 52

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
01/07/95	7720.	03:00 05:00	DRILL (TIME)
			WEATHER IS 20 DEG. CLOUDY, WINDY, WITH 2' OF NEW SNOW
		05:00 10:30	DRILL (TIME) 7595' TO 7600 145L, 106 RPM. 18K
01/08/95	7858.	10:30 05:00	DRILL SLIDE 7600' TO 7720' 20-30L, 106 RPM. 18K
			WEATHER IS 30 DEG, CLEAR AND CALM
		05:00 02:00	SHOWS AT 7642' TO 7650' 175 UNIT, 7652' TO 7652' TO 7656' 140 UNITS DRILL SLIDE 7720' TO 7854' 90-170L 106RPM. 40K
01/09/95	7900.	02:00 05:00	PUMP PILL AND TRIP OUT
			WEATHER IS 25 DEG. CLOUDY AND CALM
		05:00 06:00	SHOWS AT 7737 TO 7742' 170 UNITS, 7744 TO 7750 220 UNITS, 7796' 140 UNITS TRIP OUT FOR STEEABLE
		06:00 08:15	PICK UP STEERABLE AND ORIENT
		08:15 09:15	SLIP & CUT DRILL LINE
		09:15 12:00	TRIP IN
		12:00 14:00	WASH/REAM 7590' TO 7854'
		14:00 19:30	DRILL SLIDE 7854' TO 7886' 90L, 106 RPM 30K
		19:30 22:00	DRILL ROTATE 7886' TO 7900' 146 RPM. 10K
		22:00 23:30	CHECK PRESSURE INCREASE
		23:30 04:00	TRIP OUT WITH PLUGGED DRILLING ASSEMBLY
		04:00 05:00	BREAK DOWN BHA, MWD PARTED AND DROPPED DOWN TO NEXT CONNECTION PLUGGING OFF DRILL STRING
			WEATHER IS 30 DEG. CLEAR AND CALM
			SHOWS AT 7860' TO 7864' 110 UNITS



# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 47 TO REPORT No. 52

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
01/04/95	9015.	05:00 07:00	DRILL SLIDE 8926' TO 8928'
		07:00 10:00	PUMP PILL AND TRIP OUT
		10:00 12:00	PICK UP BHA, CHECK MUD MOTOR AND MWD
		12:00 12:30	SLIP 15' OF DRILLING LINE
		12:30 16:30	TRIP IN, CHANGE OUT ROTATING HEAD RUBBER
		16:30 17:00	LOG 8924' TO 8929' WITH MWD
		17:00 22:30	DRILL SLIDE 8929' TO 8950' HS, 106 RPM. 32K
		22:30 02:00	DRILL ROTATE 8950' TO 8986' 146 RPM. 18K
		02:00 04:30	DRILL SLIDE 8986' TO 9006' HS, 106 RPM. 32K
		04:30 05:00	DRILL ROTATE 9006' TO 9015' 146 RPM. 18K
			WEATHER IS 25 DEG. CLOUDY AND CALM
			LOST 38 BBL'S MUD TO CENTRIFUGE LOWERING MUD WT
01/05/95	9143.		ON 01/02/95 AT 19:00, DRILLER HIT THE CROWN WITH TRAVELING BLOCKS DOING SOME DAMAGE TO THE BUMPER BLOCKS AND MINIMAL DAMAGE TO THE STRUCTURE OF THE DERRICK, SLIPPED THE DRILLING LINE 15' TO MOVE PICK UP POINT
		05:00 10:00	DRILL SLIDE 9015' TO 9031' LS, 106 RPM. 40K
		10:00 17:00	DRILL ROTATE 9031' TO 9080' 146 RPM. 20K
		17:00 21:30	DRILL SLIDE 9080' TO 9095' LS, 106 RPM. 40K
		21:30 00:30	DRILL ROTATE 9095 TO 9126' 146 RPM. 20K
		00:30 05:00	DRILL SLIDE 9126' TO 9143' HS, 106 RPM. 40K
01/06/95	7595.		WEATHER IS 20 DEG. CLOUDY WITH 2" OF NEW SNOW
			LOST 35 BBL'S MUD FROM CENTRIFUGE LOWERING MUD WEIGHT
			SHOWS FROM 9110' TO 9120' 100 UNITS
		05:00 07:00	DRILL ROTATE 9141' TO 9158' 146 RPM. 18K
		07:00 11:00	DRILL SLIDE 9158' TO 9183' LS, 106 RPM. 35K
		11:00 14:30	PUMP PILL AND TRIP OUT
		14:30 15:30	PICK UP MUD MOTORS AND CHECK MWD
		15:30 17:30	WORK UP KICK OFF PROCEDURE AND ORIENT TOOLS
		17:30 21:30	TRIP IN
		21:30 03:00	ORIENT TOOLS AND SIDE TRACK OFF LOW SIDE AT 7595'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU 68659

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SIXSHOOTER FEDERAL

8. Well Name and No.

REMINGTON 21-1H

9. API Well No.

43-037-31742

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SAN JUAN COUNTY, UTAH

SUBMIT IN TRIPLICATE

**CONFIDENTIAL**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
UNION PACIFIC RESOURCES COMPANY

3. Address and Telephone No.  
PO BOX 7 MS 3006 FORT WORTH, TX 76101-0007 (817) 877-6000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1068' FSL, 995' FEL SEC. 21, T. 31 S., RL23 E., SLBM  
SE4/SE4 SEC 21, T. 31 S., R. 23 E., SLBM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Proposed Completion

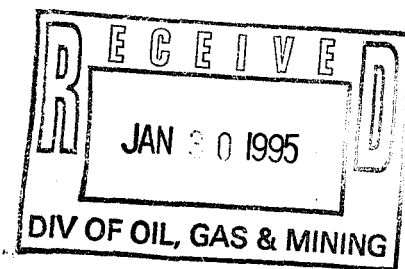
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Union Pacific Resources Company proposed to complete and test the Remington Federal 21-1H well as per the attached procedure.

**Accepted by the  
Utah Division of  
Oil, Gas & Mining  
FOR RECORD ONLY**



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL "COMPANY CONFIDENTIAL"

IF ADDITIONAL INFORMATION IS REQUIRED, PLEASE CONTACT THE UNDERSIGNED AT (817) 877-7952

14. I hereby certify that the foregoing is true and correct

Signed W. F. BRAZELTON

W. F. Brazelton SR. REGULATORY ANALYST

Date

95-01-27

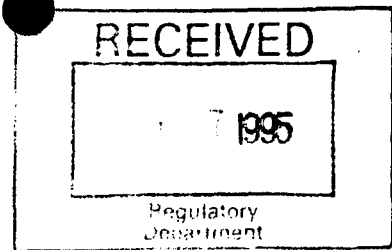
(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



Remington 21-1H  
NE S21 T31S R23E  
San Juan County, Utah  
Elevation = 6376' KB = 28' TD = 9615' PBD = 9615'  
AFE 17553

Surface Casing: 10-3/4" K-55 45.5# STC @ 1504'. FC @ 1456'. Cemented in 14-3/4" hole w/775 sxs 35-65 followed by 250 sxs G. Plug bumped, float held. Pump 95 sxs G from the surface down the backside.

Intermediate Csg: 7-5/8" (115 jts) 29.7# P-110 BTC over 7-3/4" (60 jts) 46.1# S-125 LTC @ 7578' in 9-7/8' hole. FC @ 7536'. Cemented with 855 sxs G with 24% salt. Plug bumped, float held.

Liner: 4-1/2" 11.6# N-80 (50 jts - 2152.51') LTC preperforated liner with shoe @ 9615', top @ 7462'.

Completion Procedure #1 to test the Cane Creek: 1-25-95

1. Haul +/- 7300' (228 jts) of 2-7/8" 6.5# L-80 tubing to location.
2. RIH with +/- 7100 of 2-7/8' L-80 tubing with R nipple on bottom. Land the tubing @ 7000' (6 degree angle, 7300' is a 38 degree angle). Remove the BOP. Install christmas tree with swab valve. If available a 3000 psig christmas tree is recommended, if not a 5000 psig tree is recommended.
3. RU the workover rig to swab (if a swab rig is unavailable). Swab the well for 3-7 days as directed. Report hourly swab rates. Estimate oil, water, and gas production. Fax morning reports to the following.

P. Stevens	817-877-7912	S. Gray	801-524-2877
P. Straub	307-789-1575	K. Smith	303-592-5346

  
P. L. Stevens

cc: J. Neuner            S. Gray  
P. Straub            K. Smith  
J. Svoboda           B. Charles  
M. Talbott           Central Files  
B. Brazelton        Hot Files

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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SIXSHOOTER FEDERAL

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☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

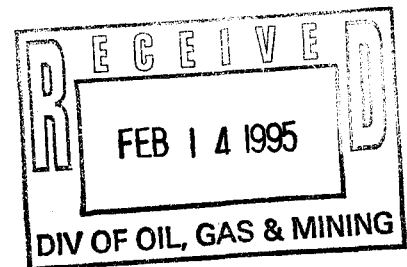
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Monthly Progress Report, January 1995

Well spudded November 19, 1994; well reached total depth (9,615' MD) on January 26, 1995; 4-1/2" liner installed January 28, 1995; started swabbing well February 1, 1995.

Please refer to previously submitted daily operations summaries for detail.



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL "COMPANY CONFIDENTIAL"

IF ADDITIONAL INFORMATION IS REQUIRED, PLEASE CONTACT THE UNDERSIGNED AT (817) 877-7952

14. I hereby certify that the foregoing is true and correct

Signed W. F. BRAZELTON

Title SR. REGULATORY ANALYST Date \_\_\_\_\_

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any: \_\_\_\_\_

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

SUMMARY OF OPERATIONS FROM REPORT No. 65 TO REPORT No. 71

## DATE DEPTH TIME WORK DESCRIPTION DIARY

NO ACCIDENTS AND NO POLLUTION  
 TEMP 20 - 35 AND PARTLY CLOUDY

01/26/95 9615. 05:00 09:00 SAMPLES: 35% SLTST,35% SHALE,20% ANHY,10% DOL  
 DRILL SLIDE TO 9615' TF - 180/170R. TD 6 1/2" ✓  
 HOLE AT 9AM 1/25/96  
 09:00 10:00 CIRCULATE AND PUMP BEADS  
 10:00 10:30 MIX AND PUMP PILL  
 10:30 13:00 TRIP OUT OF HOLE  
 13:00 14:00 LD BHA & TOOLS - WORK BOPS  
 14:00 16:00 STRAP LINER AND WAIT ON CASING CREW  
 16:00 17:30 RU T&M CASERS AND LAY DOWN MACHINE  
 17:30 20:00 RUN 50 JTS 4 1/2" 11.6# N80 LTC PERF LINER.  
 (2152.51')  
 20:00 21:30 WAIT ON LINER ON/OFF TOOL  
 21:30 01:00 PU ON/OFF TOOL AND RUN IN HOLE WITH LINER. TOP  
 OF LINER AT 7462' BOTTOM OF LINER AT 9615'  
 01:00 05:00 RU LAY DOWN CREW AND LAY DOWN DRILL PIPE

NO ACCIDENTS AND NO POLLUTION  
 TEMP 25 - 35 AND CLOUDY. RAIN LAST NIGHT

01/27/95 9615. 05:00 07:00 SAMPLES: 50% SHALE,30% SLTST,10% ANHY,10% DOL  
 LD DRILL PIPE  
 07:00 08:00 TRIP IN HOLE WITH DRILL PIPE IN DERRICK  
 08:00 09:30 LD DRILL PIPE  
 09:30 17:30 CLEAN MUD TANKS AND WAIT ON TUBING  
 17:30 21:00 ATTEMP TO RETIREVE WEAR BUSHING, UNLOAD AND  
 TALLY TUBING  
 21:00 21:30 RU CASING CREW TO RUN TUBING  
 21:30 01:30 PU AND RUN 2 7/8" TUBING (104 JTS)  
 01:30 02:00 PU & RIH WITH HALLIBURTON STORM PACKER. SET AT  
 60'.  
 02:00 03:00 ND BOP AND SET OUT BOPS TO RETRIEVE WEAR  
 BUSHING  
 03:00 05:00 RU WELDER TO RETRIEVE WEAR BUSHING

NO ACCIDENTS AND NO POLLUTION  
 TEMP 20 - 40 AND CLEAR

01/28/95 9615. 05:00 08:00 USED WELDER TO PULL WEAR BUSHING. HAD TO WELD  
 RETRIEVING TOOL TO BUSHING TO GET TO COME LOOSE  
 08:00 09:30 NU BOP, BREAK KELLY AND PULL RTTS PACKER  
 09:30 13:30 PU AND RUN A TOTAL OF 216 JTS OF 2 7/8" 6.5#  
 L80 EUE COND B TUBING. SET AT 7152' KB. BAKER  
 R NIPPLE ONE JT OFF BOTTOM AT 7118'  
 13:30 14:30 RD LAY DOWN CREW AND LAY DOWN KELLY  
 14:30 18:30 ND BOPS AND ROTATING HEAD  
 18:30 20:00 NU TREE AND PRESSURE TEST TO 3000 PSIG FOR 15  
 MINUTES  
 20:00 21:00 LOAD OUT RENTAL TOOLS. RELEASED RIG AT 9 PM  
 JANUARY 27, 1995  
 21:00 05:00 RIG DOWN

NO ACCIDENTS AND NO POLLUTION  
 TEMP 15 -35 AND CLOUDY

FINAL DRILLING REPORT  
 OIL BASE MUD LEFT IN HOLE

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 65 TO REPORT No. 71

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY	
01/22/95	9260.	05:00 08:30	DRILL ROTATE TO 9159'	
		08:30 10:00	DRILL SLIDE TO 9164' TF - HS	
		10:00 15:30	DRILL ROTATE TO 9201'	
		15:30 16:00	CHECK MWD	
		16:00 16:45	DRILL ROTATE TO 9204'	
		16:45 17:00	ORIENT TOOL FACE FOR SLIDE	
		17:00 20:00	DRILL SLIDE TO 9214' TF - LS	
		20:00 01:00	DRILL ROTATE TO 9238'	
		01:00 03:30	DRILL SLIDE TO 9246' TF - LS	
		03:30 05:00	DRILL ROTATE TO 9260'	
		NO ACCIDENTS AND NO POLLUTION TEMP 10 - 30 AND PARTLY CLOUDY, 1" SNOW		
01/23/95	9410.	05:00 07:00	SAMPLES: 40% SHALE, 40% SLTST, 20% ANHYDRITE DRILL SLIDE TO 9263' TF - 150/160R	
		07:00 15:30	DRILL ROTATE TO 9315'	
		15:30 16:00	SERVICE RIG	
		16:00 17:30	DRILL ROTATE TO 9326'	
		17:30 19:00	DRILL SLIDE TO 9329' TF - LS	
		19:00 21:00	DRILL ROTATE TO 9347'	
		21:00 03:00	DRILL SLIDE TO 9389' TF - 170R	
		03:00 05:00	DRILL ROTATE TO 9410'	
NO ACCIDENTS AND NO POLLUTION TEMP 15 - 35 AND CLEAR				
01/24/95	9517.	05:00 07:00	SAMPLES: 60% SHALE, 40% SLTST DRILL SLIDE TO 9420' TF - 170R	
		07:00 08:30	DRILL ROTATE TO 9442'	
		08:30 09:00	SERVICE RIG	
		09:00 10:00	DRILL ROTATE TO 9449'	
		10:00 14:00	DRILL SLIDE TO 9495' TF - 180/175R	
		14:00 16:00	DRILL ROTATE TO 9507'	
		16:00 16:30	PROBLEMS WITH MWD PULSATION	
		16:30 18:30	DRILL ROTATE TO 9517'	
		18:30 19:00	PROBLEMS WITH MWD PULSATION	
		19:00 19:30	PUMP PILL	
		19:30 22:00	TRIP OUT OF HOLE TO CHANGE MWD	
		22:00 24:00	LD MUD MOTOR AND MWD. PU NEW MUD MOTOR AND BIT	
		24:00 01:00	SLIP & CUT DRILL LINE	
		01:00 03:00	WAIT ON MWD BATTERIES	
03:00 04:00	CHANGE OUT MWD AND TEST SAME			
04:00 05:00	TRIP IN HOLE			
NO ACCIDENTS AND NO POLLUTION TEMP 20 - 35 AND CLOUDY. TRACE OF NEW SNOW				
01/25/95	9603.	05:00 08:30	SAMPLES: 50% SLTST, 40% SHALE, 10% ANHYDRITE 9386'-9410' SOME POSS FRACTURING	
		08:30 11:00	TRIP IN HOLE	
		11:00 12:30	ORIENT INTO SIDETRACK. WENT INTO ST #1 TWICE	
		12:30 13:30	TRIP IN HOLE	
		12:30 13:30	LOG GR FROM 9506' TO 9517'	
		13:30 16:30	DRILL ROTATE TO 9537'	
		16:30 17:30	DRILL SLIDE TO 9544' TF - LS	
		17:30 23:00	DRILL ROTATE TO 9581'	
		23:00 05:00	DRILL SLIDE TO 9603' TF - LS	

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

## SUMMARY OF OPERATIONS FROM REPORT No. 72 TO REPORT No. 76

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
02/01/95	9615.	07:00 09:00	MOVE IN AND RIG UP SILVER STAR SWABBING UNIT AND LAY SWAB LINES
		09:00 17:30	CASING PRESSURE 690 PSI. TBG PRESSURE 690 PSI. OPENED WELL TO THE TANKS AND WELL DEPLETED QUICKLY, STARTED SWABBING WITH FLUID LEVEL AT THE SURFACE, MADE 38 SWAB RUNS, PULLING 800 TO 900' PER RUN, FLUID LEVEL WAS 3600' AND RECOVERED 163 BBL'S DRILLING MUD, SIFN
02/02/95	9615.	07:30 08:30	WEATHER IS 45 DEG.SUNNY AND CALM POUR NEW ROPE SOCKET
		08:30 17:00	CASING PRESSURE 0, TBG. PRESSURE 0, FLUID LEVEL 3000' ( ENTERY OVER NIGHT OF 100' 4.6 BBL'S ) MADE 25 SWAB RUNS 800' TO 900' PER RUN, LEFT FLUID LEVEL AT 5200', RECOVERED 99 BBL'S OIL MUD,  AT RUN #22, STARTED TO GET A SMALL GAS BLOW AFTER EACH RUN  LOAD OIL FROM THE END OF THE TBG WAS 326 BBL'S WITH 65 BBL'S LEFT TO RECOVER  WEATHER IS 50 DEG. CLEAR AND CALM  USED BALSEY WELL SERVICE TO PULL WATER WELL  CLEAN UP LOCATION, RIG DOWN AND LOAD OUT RENTAL EQUIPMENT
02/03/95	9615.	07:30 16:00	CASING PRESSURE 0, TBG. PRESSURE 0, FOUND FLUID LEVEL AT 5200' ( NO OVER NIGHT ENTERY ) MADE 18 SWAB RUNS OF 800' TO 1000' PER RUN, LEFT FLUID LEVEL AT 6700', RECOVERED 60 BBL'S OF OIL MUD.
		16:00 17:00	REPAIR DRUM CHAIN  RECOVERED 60 BBL'S WITH 5 BBL'S OF LOAD LEFT TO RECOVER  GAS BLOW AFTER EACH RUN STARTED OUT SLIGHT IN THE FIRST FEW RUN AND DECREASED TO NONE  WEATHER IS 50 DEG. CLEAR AND CALM
02/04/95	9615.	08:00 09:00	CLEAN LOCATION, FENCE RESERVE, RIG DOWN RENTALS REPAIR DRUM CHAIN
		09:00 14:00	CASING PRESSURE 0, TBG. PRESSURE 0, FOUND FLUID LEVEL ON FIRST RUN AT 6600' (OVER NIGHT ENTERY OF 100', 4.6 BBL'S) MADE 7 RUNS OF 400' TO 500' PER RUN, RECOVERED 18 BBL'S OF OIL CUT DRILLING MUD. RIG DOWN SWABBING UNIT
		00:00 00:00	
		14:00 16:00	RIG UP TEFFETILLER INC. AND RUN PRESSURE BOMB TO 7460'SHOWING 280 PSI. CUT GRADIENTS EVERY 100' UP TO 6960'SHOWING FLUID SLIGHTLY ABOVE 6960'

# OPERATION SUMMARY REPORT

WELLNAME :REMINGTON 21-1H  
 AFE No. :017553  
 FIELD :WILDCAT PARADOX BASIN

WELL No. :#1H  
 API No. :43-037-31742  
 RIG :FORWEST #6

SUMMARY OF OPERATIONS FROM REPORT No. 72 TO REPORT No. 76

DATE	DEPTH	TIME	WORK DESCRIPTION DIARY
			<p>WEATHER IS 55 DEG. CLEAR AND CALM</p> <p>RECALULATE LOAD TO SHOW 304 BBL'S TO THE BTM. OF THE TBG. AT 7152' AND 92 BBL'S FROM THE BTM. OF THE TBG. TO THE END OF THE HORIZONTAL SECTION. FOR A TOTAL OF 396 BBL'S, 339 BBL'S HAVE SWABBED OUT LEAVING 57 BBL'S LEFT TO RECOVER</p> <p>CLEAN LOCATION, TRANSPORT RENTAL EQUIPMENT WITH 8-8" DRILL COLLARS TO STEWART MACHINE FOR REPAIRS</p> <p>02/06/95 9615. 08:00 12:00 MIRU SILVER STAR SWABBING UNIT, CASING PRESSURE 0, TBG. PRESSURE 0, FOUND FLUID LEVEL AT 6500' ( 2 DAY ENTRY OF 15 BBL'S) MADE 7 SWAB RUNS OF 300' TO 600' RECOVERED 18 BBL'S LIGHT OIL MUD LEFT FLUID LEVEL AT 6800'</p> <p>RECOVERED 18 BBL'S, LEAVING 39 BBL'S LEFT TO RECOVER</p> <p>WEATHER IS 55 DEG. CLEAR AND SUNNY WITH LIGHT WESTERLY BREEZE</p> <p>FINAL REPORT</p>



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU 68659

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SIXSHOOTER FEDERAL

8. Well Name and No.

REMINGTON 21-1H

9. API Well No.

43-037-31742

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SAN JUAN COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

UNION PACIFIC RESOURCES COMPANY

3. Address and Telephone No.

PO BOX 7 MS 3006 FORT WORTH, TX 76101-0007 (817) 877-6000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL SEC. 21, T. 31 S., RL23 E., SLBM

SE4/SE4 SEC 21, T. 31 S., R. 23 E., SLBM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

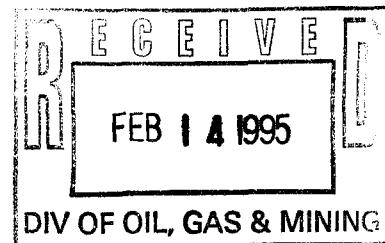
- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Temporary susp./abandonment

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please be advised that the Remington Federal 21-1H was temporarily suspended and abandoned on February 6, 1995, pending results of testing completed to date.



PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL "COMPANY CONFIDENTIAL"

IF ADDITIONAL INFORMATION IS REQUIRED, PLEASE CONTACT THE UNDERSIGNED AT (817) 877-7952

14. I hereby certify that the foregoing is true and correct

Signed W. F. BRAZELTON

Title

SR. REGULATORY ANALYST

Date

95-02-13

(This space for Federal or State office use)

Approved by

Title

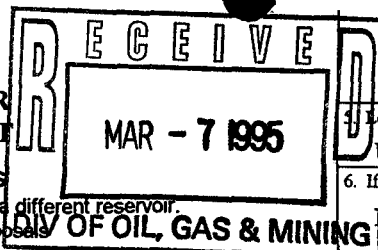
Date

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals.



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

1. Lease Designation and Serial No.

UTU 68659

6. If Indian, Allottee or Tribe Name

NA

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

UNION PACIFIC RESOURCES COMPANY

3. Address and Telephone No.

PO BOX 7 MS 3006 FORT WORTH, TX 76101-0007 (817) 877-6000

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL SEC. 21, T. 31 S., RL23 E., SLBM

SE4/SE4 SEC 21, T. 31 S., R. 23 E., SLBM

7. If Unit or CA, Agreement Designation

SIXSHOOTER FEDERAL

8. Well Name and No.

REMINGTON 21-1H

9. API Well No.

43-037-31742

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SAN JUAN COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Monthly Progress Report

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Monthly Progress Report, February 1995

Well spudded November 19, 1994, reached total depth (9,615' MD) on January 26, 1995, and was temporarily shut in and abandoned February 6, 1995, pending results of testing completed as of that date.

Please refer to previously submitted daily operations summaries for detail.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL "COMPANY CONFIDENTIAL"

IF ADDITIONAL INFORMATION IS REQUIRED, PLEASE CONTACT THE UNDERSIGNED AT (817) 877-7952

14. I hereby certify that the foregoing is true and correct

Signed

W. F. BRAZELTON

Title

SR. REGULATORY ANALYST

Date

95-03-06

(This space for Federal or State office use)

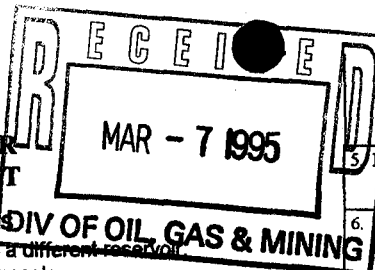
Approved by

Title

Date

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Union Pacific Resources Company

3. Address and Telephone No.

PO Box 7 MS 3006 Fort Worth, TX 76101-0007

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW4/NW4 Sec. 21, T. 31 S., R. 24 E., SLBM

443' FNL, 567 FWL, Sec. 21, T. 31 S., R. 24 E., SLBM

5. Lease Designation and Serial No.

UTU-54513

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Winchester 21-1H

9. API Well No.

43-037-31743

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Monthly Progress Report

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Monthly Progress Report, February 1995

Well spudded August 26, 1994, reached TD November 14, 1994, rig released November 14, 1994, and well temporarily shutin and abandoned November 20, 1994, pending evaluation of testing completed as of that date.

Please refer to previously submitted daily operations summaries for detail.

Please consider all submittal pertaining to this well as "COMPANY CONFIDENTIAL".

If additional information is needed, please contact the undersigned at (817) 877-7952.

14. I hereby certify that the foregoing is true and correct

Signed W. F. Brazelton *W. F. Brazelton* Title Sr. Regulatory Analyst Date 95-03-06

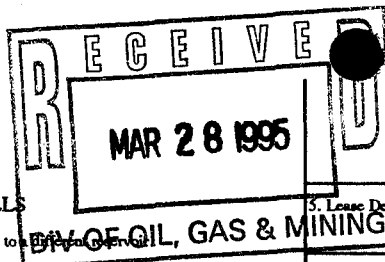
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_

(June 1990)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells or to deepen or reentry to a different interval.  
Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

5. Lease Designation and Serial No.

UTU-68659

**SUBMIT IN TRIPLICATE**

## 1. Type of Well:

OIL (X) GAS ( ) OTHER:

## 2. Name of Operator

Union Pacific Resources Company

## 3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007

Telephone (817) 877-6000 (Main Number)

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL Sec. 21, T. 31 S., R. 23 E.

## 6. If Indian, Allottee or Tribe Name

NA

## 7. If Unit or CA, Agreement Designation

Six-shooter Federal Unit

## 8. Well Name and No.

Winchester Federal 21-1H

## 9. API Well No.

43-037-31742

## 10. Field and Pool, or Exploratory Area

Wildcat

## 11. County of Parish, State

San Juan, Utah

## 12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
(X) Notice of Intent	( ) Abandonment	(X) Change of Plans
( ) Subsequent Report	( ) Recompletion	( ) New Construction
( ) Final Abandonment Notice	( ) Plugging Back	( ) Non-Routine Fracturing
	( ) Casing Repair	( ) Water Shut-Off
	( ) Altering Casing	( ) Conversion to Injection
	( ) Other	( ) Dispose Water
	(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)\*

Please be advised that Union Pacific Resources Company (UPRC) intends re-entering the Remington Federal 21-1H well and swabbing the well to determine the quantity and type of fluid, if any, present.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"

If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

14 I hereby certify that the foregoing is true and correct.

Name/Signature: W. F. Brazelton

Title: Senior Regulatory Analyst

Date: 95-03-27

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

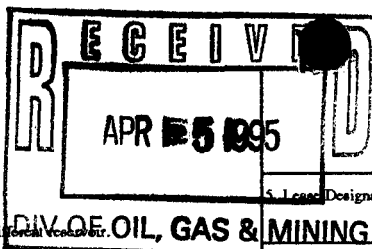
\*See Instructions On Reverse Side

(June 1990)

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**  
**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells or to deepen or reentry to a different well.

Use "APPLICATION FOR PERMIT TO DRILL -" for such proposals



FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

4. Lease Designation and Serial No.

UTU-68659

6. If Indian, Allottee or Tribe Name

NA

**SUBMIT IN TRIPLICATE**

1. Type of Well:

OIL (X) GAS ( ) OTHER:

7. If Unit or CA, Agreement Designation

Sixshooter Federal

2. Name of Operator

Union Pacific Resources Company

8. Well Name and No.

Remington Federal 21-1H

3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
 Telephone (817) 877-6000 (Main Number)

9. API Well No.

43-037-31742

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL Sec. 21, T. 31 S., R. 23 E., SLBM

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

San Juan, Utah

SE/SE Sec. 21, T. 31 S., R. 23 E., SLBM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
( ) Notice of Intent	( ) Abandonment	( ) Change of Plans
	( ) Recompletion	( ) New Construction
(X) Subsequent Report	( ) Plugging Back	( ) Non-Routine Fracturing
	( ) Casing Repair	( ) Water Shut-Off
( ) Final Abandonment Notice	( ) Altering Casing	( ) Conversion to Injection
	(X) Other: Monthly Progress Report	( ) Dispose Water
	(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)\*

Bottom Hole Location : (Lateral No. 2) 663' FSL, 1174' FWL Sec. 22, T. 31 S., R. 23 E., SLM

Monthly Progress Report, March 1995

Well spudded 94-11-19; well reached TMD (7574') 95-01-26; well Temporarily Abandoned 95-02-06 pending results of tests completed on that date.

Decision as to final use of well will be made shortly.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"

If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

14 I hereby certify that the foregoing is true and correct..

Name/Signature: W. F. Brazelton

Title: Senior Regulatory Analyst

Date: 95-04-04

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

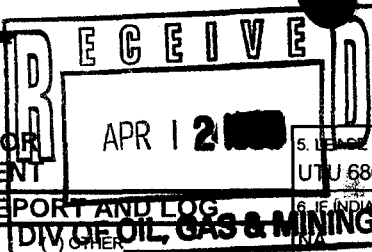
April 10, 1995

Subject: Core Description Remington 21-1h  
Section 21, T31S R23E  
San Juan County, Utah

A 60 foot core was cut in the Cane Creek Fm. from 7435' - 7495' md.

DEPTH	LITHOLOGY
7435 - 7435.5	Mottled anhydrite, shale
7435.5 - 7427	Shale
7437 - 7441	Mottled anhydrite
7441 - 7442	Shale
7442 - 7443.5	Mottled anhydrite
7443.5 - 7446.5	Shale
7446.5 - 7447.5	Mottled anhydrite
7447.5 - 7456.5	Dolomitic siltstone, anhydrite
7456.5 - 7462	Laminated anhydrite, siltstone
7462 - 7463.5	Siltstone
7463.5 - 7464	Anhydrite
7464 - 7472	Siltstone
7472 - 7478	Mottled anhydrite
7478 - 7482	Siltstone
7482 - 7483.5	Anhydrite
7483.5 - 7485	Siltstone
7485 - 7490.5	Anhydrite
7490.5 - 7491.5	Siltstone
7491.5 - 7495	Anhydrite

CONFIDENTIAL



FORM APPROVED  
Budget Bureau No 1004-0137  
Expires: August 31, 1985

FORM 3160-4  
(November 1983)  
(Formerly 9-330)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1 a. TYPE OF WELL (X) OIL WELL ( ) GAS WELL ( ) DRY ( ) OTHER

b. TYPE OF COMPLETION

(X) NEW WELL ( ) WORK OVE ( ) DEEPEN ( ) PLUG BACK ( ) DIFF. RESVR. ( ) OTHER

2. NAME OF OPERATOR

UNION PACIFIC RESOURCES COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

1068' FSL, 995 FEL SEC. 21, T. 31 S., R. 23 E., SLM

At Proposed Producing Zone 651' FSL, 591' FEL SEC. 21, T. 31 S., R. 23 E., SLM

At Total Depth: (LATERAL No. 1) 232' FNL, 291' FWL SEC. 27, T. 31 S., R. 23 E., SLM

At Total Depth: (LATERAL No. 2) 663' FSL, 1174' FWL SEC. 22, T. 31 S., R. 23 E., SLM

5. LEASE DESIGNATION AND SERIAL No.  
UTU 68659

6. IF INDIAN ALLOTTEE OR TRIBAL NAME

7. UNIT AGREEMENT NAME

SIX SHOOTER FEDERAL

8. FARM OR LEASE NAME

REMINGTON

9. WELL NAME

REMINGTON FEDERAL 21-1H

10. FIELD AND POOL, OR WILDCAT

WILDCAT

11. QQ, SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA

SE4/SE4 SEC. 21, T. 31 S., R. 23 E. SLM

14. PERMIT NO.

43-037-31742

DATE ASSIGNED

94-09-28

12. COUNTY

SAN JUAN

13. STATE

UTAH

15. DATE SPUDDE

94-11-19

16. DATE TD REACHED

95-01-26

17. DATE COMPL. (Ready to prod.)

NA 4-6-95 TA

18. ELEVATIONS (DF, RKB, RT, GL, ETC.)\*

GL 6376', KB 6404'

19. ELEV. CASINGHEAD

NA

20. TOTAL DEPTH, MD & TVD

9615' MD/7574' TVD

21. PLUG BACK TD, MD & TVD

NA

22. IF MULTIPLE COMPL.,

HOW MANY? NA

23. INTERVAL

Rotary?

Cable Tools?

DRILLED BY

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD & TVD)

NONE

25. WAS DIRECTIONAL SURVEY

MADE? Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL, LDT, GR D-7560', ALT, BHCS 1504' 7560',

UBI 7420'-7505', 7195'-7250', 6250'-6290', 6055'-6100'

BHCS, G.C. ARRAY, INDUCTIVE

27. WAS WELL CORED? (x) Yes ( ) No (Submit Analysis)

DRILL STEM TEST? ( ) Yes ( ) No (See Reverse Side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	CONDUCTOR	80'	20"	NA	
10-3/4"	45.5	1504'	14-3/4"	775 SX 35.65 + 250 SX "G"	
7-3/4"	46.1	7578'	9-7/8"	885 SX "G"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
Lateral No. 2				
4-1/2"	7462'	9615'	NA	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
NA		

31. PERFORATION RECORD (Interval, size, and number)

Lateral No. 2 - 4-1/2" Pre-perforated liner

"CNCR"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
NA	

33. PRODUCTION

DATE FIRST PRODUCTION NA		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in) TA	
DATE OF TEST	HOURS TESTED	COKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF	WATER—BBL.	GAS - OIL RATIO
FLOW. TBG PRESSURE NA		CSG PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY - API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

NA

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Borehole Schematic Diagram, Core Description (no analysis performed)

36. I hereby certify that this report is true and complete to the best of my knowledge

Signed: W. F. Brazelton *W. F. Brazelton* Title: Senior Regulatory Analyst

Date: 95-04-06

See Spaces for Additional data on Reverse Side

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Upper Ismay	4880'	4880'
				Lower Ismay	5015'	5015'
				Gothic	5112'	5112'
				Desert Creek	5160'	5160'
				Chimney Rock	5313'	5312'
				Clastic 19	7215'	7197'
				Cane Creek	7425'	7420'

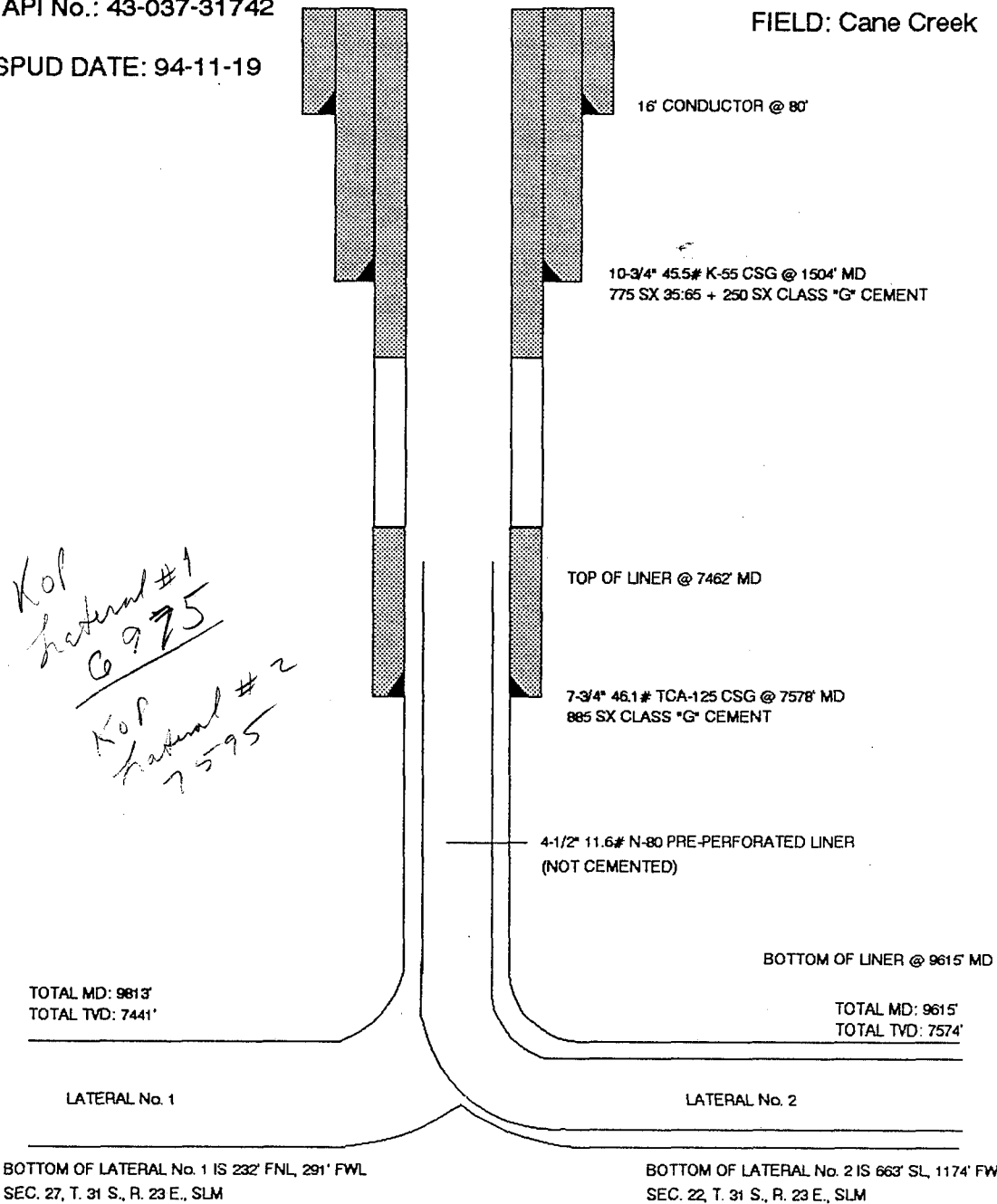


WELL NAME: REMINGTON FEDERAL 21-1H  
Sec. 21, T. 31 S., R. 23 E., SLM  
San Juan County, Utah  
API No.: 43-037-31742

DATE: 95-04-06  
BY: WFB

FIELD: Cane Creek

SPUD DATE: 94-11-19

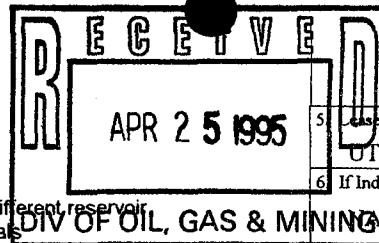


UNION PACIFIC RESOURCES COMPANY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals.



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU-68659

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

UNION PACIFIC RESOURCES COMPANY

3. Address and Telephone No.

PO BOX 7 MS 3006 FORT WORTH, TEXAS 76101-0007

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL Sec 21, T. 31 S., R. 23 E., SLM

7. If Unit or CA, Agreement Designation

Six Shooter Federal

8. Well Name and No.

Remington Federal 21-1H

9. API Well No.

43-037-31742

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Weekly Progress Report

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Bottom Hole Location: (Lateral No. 1) 232' FNL, 291' FWL Sec. 21, T. 31 S., R. 23 E., SLM

Bottom Hole Location: (Lateral No. 2) 663' FSL, 1174' FWL Sec. 22, T. 31 S., R. 23 E., SLM

TMD (9615' - Lateral 1) January 26, 1995; temporarily abandoned February 6, 1995.

A decision as to final use of well should be made shortly.

Please refer to previously submitted Daily Operations Summaries for detail.

If additional information is needed, please contact the undersigned at (817) 877-7952

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL "COMPANY CONFIDENTIAL"

14. I hereby certify that the foregoing is true and correct

Signed W. F. Brazelton

W. F. Brazelton Sr. Regulatory Engineer Date 95-04-24

(This space for Federal or State office use)

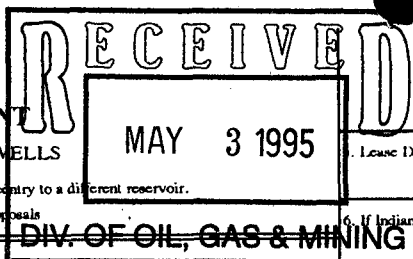
Approved by

Title

Date

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

Lease Designation and Serial No

UTU-68659

If Indian, Allottee or Tribe Name

NA

SUBMIT IN TRIPLICATE

1. Type of Well:

OIL ( X ) GAS ( ) OTHER:

2. Name of Operator

Union Pacific Resources Company

3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
Telephone (817) 877-6000 (Main Number)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL Sec. 21, T. 31 S., R. 23 E., SLBM

SE/SE Sec. 21, T. 31 S., R. 23 E., SLBM

7. If Unit or CA, Agreement Designation

Six Shooter Federal

8. Well Name and No.

Remington Federal 21-1H

9. API Well No.

43-037-31742

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

San Juan, Utah

12 CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
( ) Notice of Intent	( ) Abandonment ( ) Change of Plans
( X ) Subsequent Report	( ) Recompletion ( ) New Construction
( ) Final Abandonment Notice	( ) Plugging Back ( ) Non-Routine Fracturing
	( ) Casing Repair ( ) Water Shut-Off
	( ) Altering Casing ( ) Conversion to Injection
	( X ) Other: Weekly Progress Report ( ) Dispose Water
	(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)\*

Weekly Progress Report, Week Ending May 1, 1995

Recommendations are being prepared for permanently plugging and abandoning the well.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"  
If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

14 I hereby certify that the foregoing is true and correct.

Name/Signature: W. F. Brazelton

Title: Senior Regulatory Analyst

Date: 95-05-02

(This space for Federal or State office use)

Approved by

Title

Date

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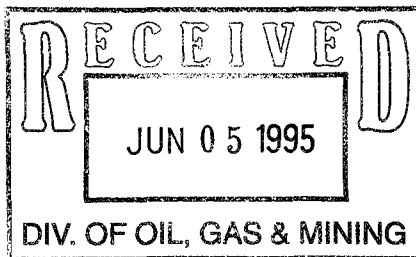
**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

**CONFIDENTIAL**

May 31, 1995

Division of Oil, Gas and Mining  
Department of Natural Resources  
3 Triad Center - Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203



ATTN: Ms. Vicky Carney

RE: Electric Log Submittal  
Remington Federal 21-1H  
Sec. 21, T. 31 S., R. 23 E.  
San Juan County, Utah

43 037 31742

Dear Ms. Carney:

Enclosed please find copies of the following electric logs from the above referenced well:

1. BCLS 1503'-7500'
2. Gamma Ray 5380'-7435'
3. Array Induction Log W/Gamma Ray 1503'-7550'

Please call me at (817) 877-7952, Fax (817) 877-7942, if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton  
Senior Regulatory Analyst



**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

July 11, 1995

United States Department of the Interior  
Bureau of Land Management  
Moab District Office  
82 East Dogwood - Suite M  
Moab, Utah 84532

**CONFIDENTIAL**

ATTN: Mr. Gary Torres

RE: **Proposed Plugging Procedure  
Remington Federal 21-1H  
Section 21, T. 31 S., R. 23 E.  
San Juan County, Utah**

Dear Gary:

Enclosed for your review and approval is an original and one copy of the plugging procedure. Union Pacific Resources Company (UPRC) proposes to use on the above referenced well. Because of scheduling equipment and manpower, UPRC solicits approval of the procedure at your earliest convenience.

Please call me at (817) 877-7952, FAX (817) 877-7942, if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

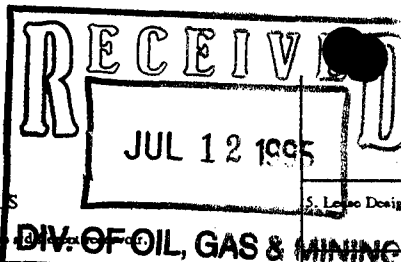
W. F. Brazelton  
Senior Regulatory Analyst

cc: Mike Hebertson, Utah Division of Oil, Gas and Mining - Salt Lake City

(June 1990)

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**  
**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells or to deepen or reentry to existing wells.  
 Use "APPLICATION FOR PERMIT TO DRILL -" for such proposals.



FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires March 31, 1993

5. Lease Designation and Serial No.

UTU-68659

6. Indian, Allottee or Tribe Name

NA

**SUBMIT IN TRIPLICATE**

1. Type of Well:

OIL (X) GAS ( ) OTHER:

2. Name of Operator

Union Pacific Resources Company

3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007

Telephone (817) 877-6000 (Main Number)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Location: 1068' FSL, 995' FEL Section 21, T. 31 S., R. 23 E., SLM (SESE)

BH Loc. (Lateral 1): 232' FNL, 291' FWL Section 27, T. 31 S., R. 23 E. (NWNW)

BH Loc. (Lateral 2): 663' FSL, 1174' FWL Section 22, T. 31 S., R. 23 E. (SWSW)

7. If Unit or CA, Agreement Designation

Sixshooter Federal

8. Well Name and No.

Remington Federal 21-1H

9. API Well No.

037  
43-043-31742

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
(X) Notice of Intent	(X) Abandonment	( ) Change of Plans
( ) Subsequent Report	( ) Recompletion	( ) New Construction
( ) Final Abandonment Notice	( ) Plugging Back	( ) Non-Routine Fracturing
	( ) Casing Repair	( ) Water Shut-Off
	( ) Altering Casing	( ) Conversion to Injection
	( ) Other	( ) Dispose Water
	(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)\*

Union Pacific Resources Company proposes to permanently plug and abandon the abover referenced well as per the attached procedure.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY**

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"

If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

14. I hereby certify that the foregoing is true and correct.

Name/Signature: W. F. Brazelton

Title: Senior Regulatory Analyst

Date: 95-07-11

(This space for Federal or State office use)

Approved by

Title

Date

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Remington 21-1H  
NE S21 T31S R23E  
San Juan County, Utah  
Elevation = 6376' KB = 28' TD = 9615' PBDT = 9615'  
AFE 17553

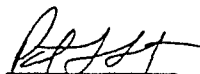
Surface Casing: 10-3/4" K-55 45.5# STC @ 1504'. FC @ 1456'. Cemented in 14-3/4" hole w/775 sxs 35-65 followed by 250 sxs G. Plug bumped. Float held. Pump 95 sxs G from the surface down the backside.  
Intermediate Casing: 7-5/8" (115 jts) 29.7# P-110 BTC over 7-3/4" (60 jts) 46.1# S-125 LTC @ 7578' in 9-7/8" hole. FC @ 7536'. Cemented with 855 sxs G with 24% salt. Plug bumped. Float held.  
Liner: 4-1/2" 11.6# N-80 LTC preperforated liner @ with shoe @ 9615'. TOL @ 7462'.  
Tubing: 216 jts 2-7/8" 6.6# L-80 with tubing tail @ 7152'. Baker R nipple @ 7118'.

Plug and Abandonment Procedure: 6-8-95

1. MIRU production rig with circulating pump and tank. Remove tree. NU BOP.
2. PU +/- 250' 2-7/8" tubing. RIH with tubing to +/- 7400'.
3. Spot 17 FT3 class G cement (50 linear feet of 4-1/2" liner, 50 linear feet of 7-3/4" casing).
4. POH with 2-7/8" tubing.
5. RIH with a CIBP on tubing and set the CIBP @ +/- 7300'. Spot 100 linear feet of class G cement (24 FT3) on top of the CIBP.
6. At 5000' and 2500' spot 100 linear feet of cement (24 FT3). As you POH lay down the tubing.
7. From 1454' - 1554' spot 100 linear feet of cement (24 FT3).
8. With an inside spear, pick up the casing and release the slips.
9. Pick up +/- 100' of 1" tubing. Cement the production-surface casing annulus with 25 sxs.
10. Spot 10 sxs cement from 40' to 5'. Leave the top 4'-5' clean of cement.
11. RDMO production rig and equipment.
12. Cut off the casing head.
13. Set a regulation P&A marker, top off the production casing with cement. The regulation P&A marker is to have the following information :

Remington 21-1H  
Union Pacific Resources Company  
NE S21 T31S R23E  
Elevation 6376'

14. Rehabilitate location.



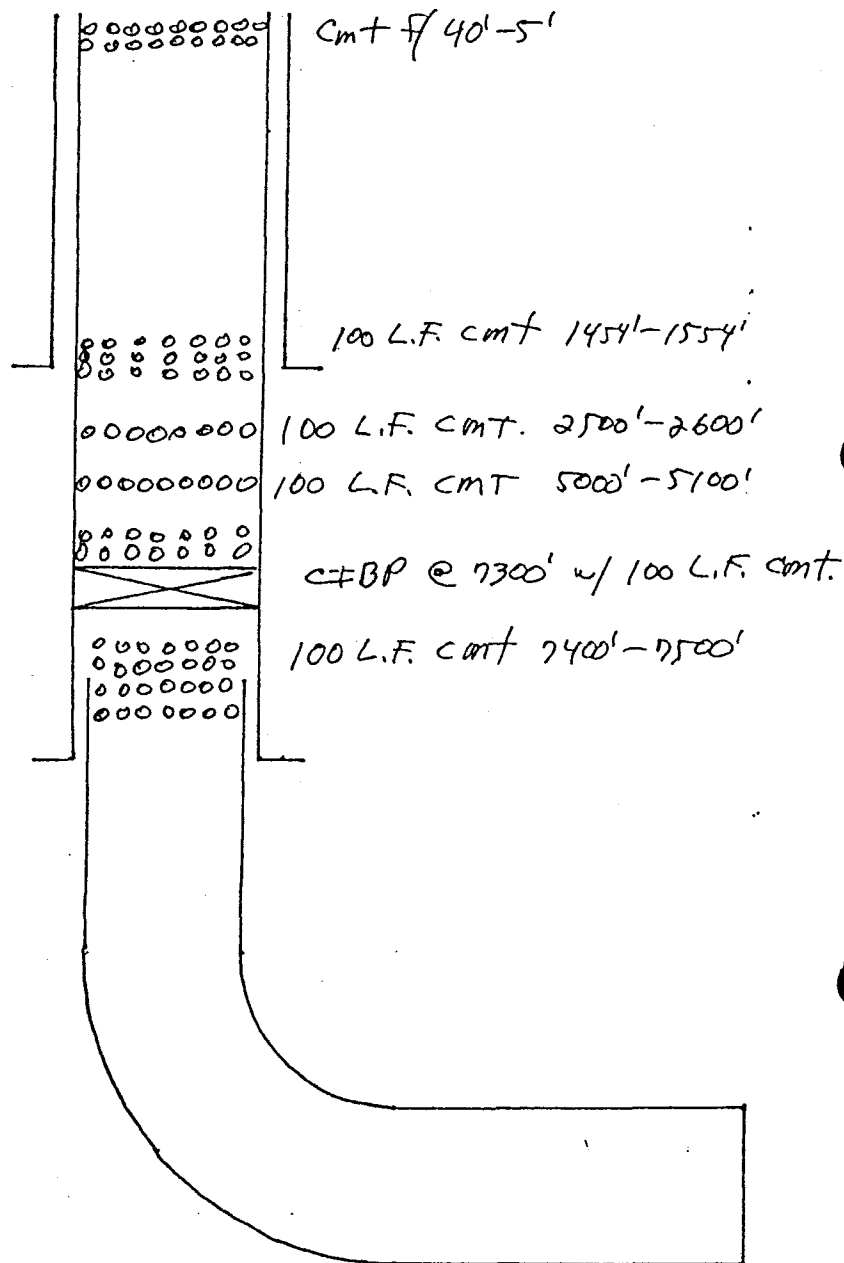
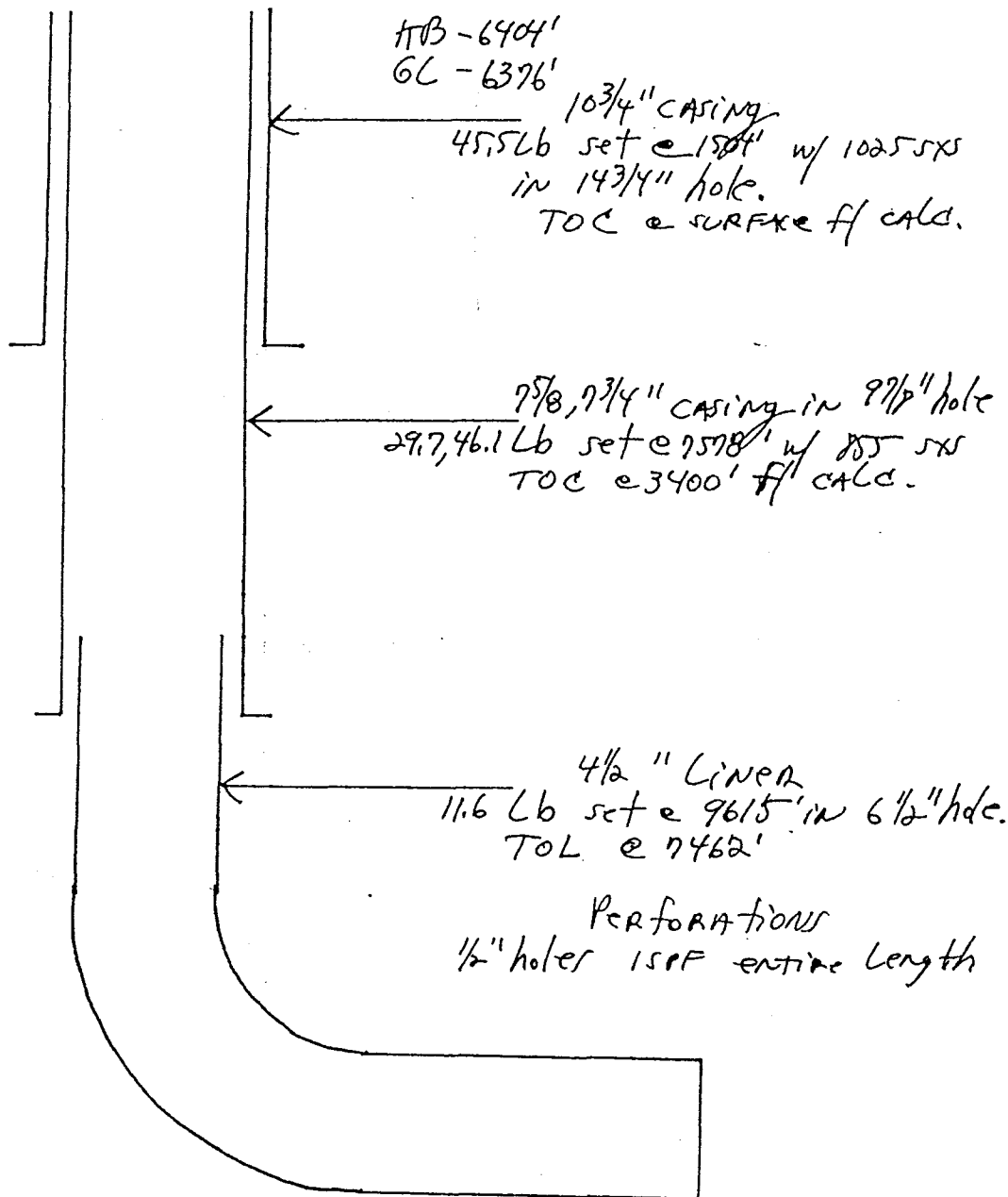
P. L. Stevens

cc: J. Neuner, P. Straub, M. Talbott, B. Brazelton, Files.

Before

Remington 111  
NE 52, T31S, R28E

After





10/11/95

**Supervisor: Talbott**

4-1/2" Liner, 7462' - 9615'

Cumulative Cost to Date	\$5,093
-------------------------	---------

# Union Pacific Resources

Day #2

10/12/95

## Daily Completion and Workover Report

Proposed Work: P&A Operations f/Reminton 21-1h

PC: Land Grant

Team: Overthrust

Lse: Remington

Field: Pineview

Well: 21-1h

Supervisor: Talbott

### Casing & Tubing

OD WT Grade Remarks

10.75 45.5 k-55 landed @ 1504'

6.63 29.7 p-110 landed @ 4979.83'

6.75 46.1 s-105 4979.83' - 7578'

Packer Detail Anchor set @

MD Type Remarks

4-1/2" Liner, 7462' - 9615'

### Operations

From To

07:30 RU Halliburton. Displace hole w/312 bbls fresh water.

10:00 Attempt pressure test tbq to 5000 psig. No good.

Pressure test csg to 1000. Good test.

Hold 1000 psig on csg, sting into retainer start pumping pit contents down tbq @ 4500 psig & 1 Bpm.

11:30 Csg pressure remained @ 1000 psig. Continue

pumping pit contents as per BLM Eric Jones approval.

Continue pumping pit contents @ ~

5000 psig to 4400 psig, rates @ 1.5 - 1.0 Bpm.

22:00 SDFN.

### BHA

Qty Description Length

Total BHA 0.00

### Costs

Qty Description Cost

Rig \$1,500

Rentals \$150

Labor \$1,000

Trucking \$2,000

Water \$600

Tools/Service \$2,000

Cement/Service \$7,000

Supervision \$450

Contingency 5% \$750

Total Daily Cost \$15,450

Cumulative Cost to Date \$20,543

# Union Pacific Resources

Day #3

10/13/95

## Daily Completion and Workover Report

Proposed Work: P&A Operations f/Reminton 21-1h

PC: Land Grant

Team: Overthrust

Lse: Remington

Field: Pineview

Well: 21-1h

Supervisor: Talbott

### Casing & Tubing

OD WT Grade Remarks

10.75 45.5 k-55 landed @ 1504'

6.63 29.7 p-110 landed @ 4979.83'

6.75 46.1 s-105 4979.83' - 7578'

Packer Detail Anchor set @

MD Type Remarks

4-1/2" Liner, 7462' - 9615'

### Operations

From To

### BHA

RU Halliburton to plug well.

Qty Description

Length

Tbg @ 4400 psig, Csg @ 1000 psig.

RU and pump 20 sx "g" cmt below retainer.

Sting out of retainer and spot 2 sx "g" cmt on top.

TOOH to 5104' and spot 24 sx "g" cmt balance plug.

TOOH to 2598' and spot 24 sx "g" cmt balance plug.

TOOH to 1555' and spot 24 sx "g" cmt balance plug.

TOOH.

RU Jet West wireline, RIH to 100' and perforate csg w/

four .5" holes. ROOH RD Jet West.

RU Halliburton and bullhead 39 sx cmt down 7-5/8"

and up annulus to surface. ND BOP.

RD Halliburton and Big A Well Service.

Total BHA

0.00

Cut off wellhead install P&A marker.

### Costs

Qty Description

Cost

Rig \$1,800

Rentals \$150

Labor \$2,000

Wireline \$1,800

Water \$1,500

Tools/Service \$2,000

Cement/Service \$7,000

Supervision \$450

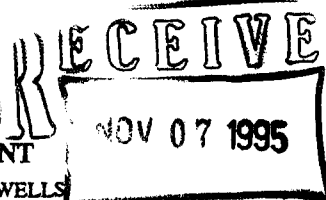
Contingency 5% \$850

Total Daily Cost \$17,550

Cumulative Cost to Date \$38,093

(June 1990)

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**  
**SUNDRY NOTICES AND REPORTS ON WELLS**



FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir.  
 Use "APPLICATION FOR PERMIT TO DRILL -" for such proposals.

**DEPARTMENT OF OIL, GAS & MINES**

5. Lease Designation and Serial No.

UTU-68659

6. If Indian, Allottee or Tribe Name

NA

**SUBMIT IN TRIPLICATE**

1. Type of Well:

OIL ( ) GAS ( ) OTHER: (X) Dry Hole

7. If Unit or CA, Agreement Designation

Sixshooter Federal

2. Name of Operator

Union Pacific Resources Company

8. Well Name and No.

Remington Federal 21-1H

3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007

Telephone (817) 877-6000 (Main Number)

9. API Well No.

43-037-31742

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL Sec. 21, T. 31 S., R. 23 E., SLBM

10. Field and Pool, or Exploratory Area

Wildcat

11. County of Parish, State

San Juan, Utah

SE/SE Sec. 21, T. 31 S., R. 23 E., SLBM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
( ) Notice of Intent	(X) Abandonment	( ) Change of Plans
(X) Subsequent Report	( ) Recompletion	( ) New Construction
( ) Final Abandonment Notice	( ) Plugging Back	( ) Non-Routine Fracturing
	( ) Casing Repair	( ) Water Shut-Off
	( ) Altering Casing	( ) Conversion to Injection
	( ) Other	( ) Dispose Water
		(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)\*

Please be advised that Union Pacific Resources Company permanently plugged and abandoned the above referenced well according to the attached procedure.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"

If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

14 I hereby certify that the foregoing is true and correct..

Name/Signature: W. F. Brazelton

Title: Senior Regulatory Analyst

Date: 95-11-06

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instructions On Reverse Side



**Union Pacific  
Resources**

A Subsidiary of Union Pacific Corporation

JAN 19 4 1996

**COPY**

January 19, 1996

Bureau of Land Management  
United States Department of the Interior  
82 East Dogwood - Suite M  
Moab, Utah 84532

ATTN: Mr. Gary Torres

RE: **Sundry Notices of Reclamation  
UPRC Winchester Federal 21-1H  
UPRC Remington Federal 21-1H  
Peridot Federal 22-31H  
San Juan County, Utah**

Dear Mr. Torres:

Enclosed please find one original and two copies each of Sundry Notices of reclamation for the above three wells located in San Juan County, Utah. Union Pacific Resources Company (UPRC) has complete reserve pit closures and reclamation at each of the locations. At this time UPRC anticipates no further activity for these locations.

I would like to take this opportunity to personally express the appreciation on the part of both UPRC and myself for the cooperation and courtesy you and your staff extended during our work in the area. I only wish it had proved an economic success.

Please contact me at (817) 877-7952, FAX (817) 877-7942, if you have any questions or need additional information.

Yours truly,

UNION PACIFIC RESOURCES COMPANY

W. F. Brazelton  
Senior Regulatory Analyst

(June 1990)

## UNITED STATES

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT TO DRILL --" for such proposals

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

## SUBMIT IN TRIPLICATE

## 1. Type of Well:

OIL ( ) GAS ( ) OTHER: (X) Dry Hole

## 2. Name of Operator

Union Pacific Resources Company

## 3. Address and Telephone Number

P. O. Box 7 MS 3006 Fort Worth, Texas 76101-0007  
Telephone (817) 877-6000 (Main Number)

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1068' FSL, 995' FEL Sec. 21, T. 31 S., R. 23 E., SLBM

SE/SE Sec. 21, T. 31 S., R. 23 E., SLBM

## 5. Lease Designation and Serial No.

UTU-68659

## 6. If Indian, Allottee or Tribe Name

NA

## 7. If Unit or CA, Agreement Designation

Sixshooter Federal

## 8. Well Name and No.

Remington Federal 21-1H

## 9. API Well No.

43-037-31742

## 10. Field and Pool, or Exploratory Area

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## 11. County of Parish, State

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## TYPE OF SUBMISSION

## TYPE OF ACTION

( ) Notice of Intent

(X) Abandonment

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(X) Subsequent Report

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( ) Water Shut-Off

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( ) Altering Casing

( ) Conversion to Injection

( ) Other

( ) Dispose Water

(Note: Report results of multiple completions on Well  
Completion or Recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)\*

Please be advised that Union Pacific Resources Company has completed reclamation of the reserve pit and wellsite for the above referenced well.

PLEASE CONSIDER ALL SUBMITTALS PERTAINING TO THIS WELL AS "COMPANY CONFIDENTIAL"

If additional information is needed, please contact the undersigned at (817) 877-7952, FAX (817) 877-7942

14 I hereby certify that the foregoing is true and correct.

Name/Signature: W. F. Brazelton

Title: Senior Regulatory Analyst

Date: 96-01-18

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or any department or agency of the United States any false,

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